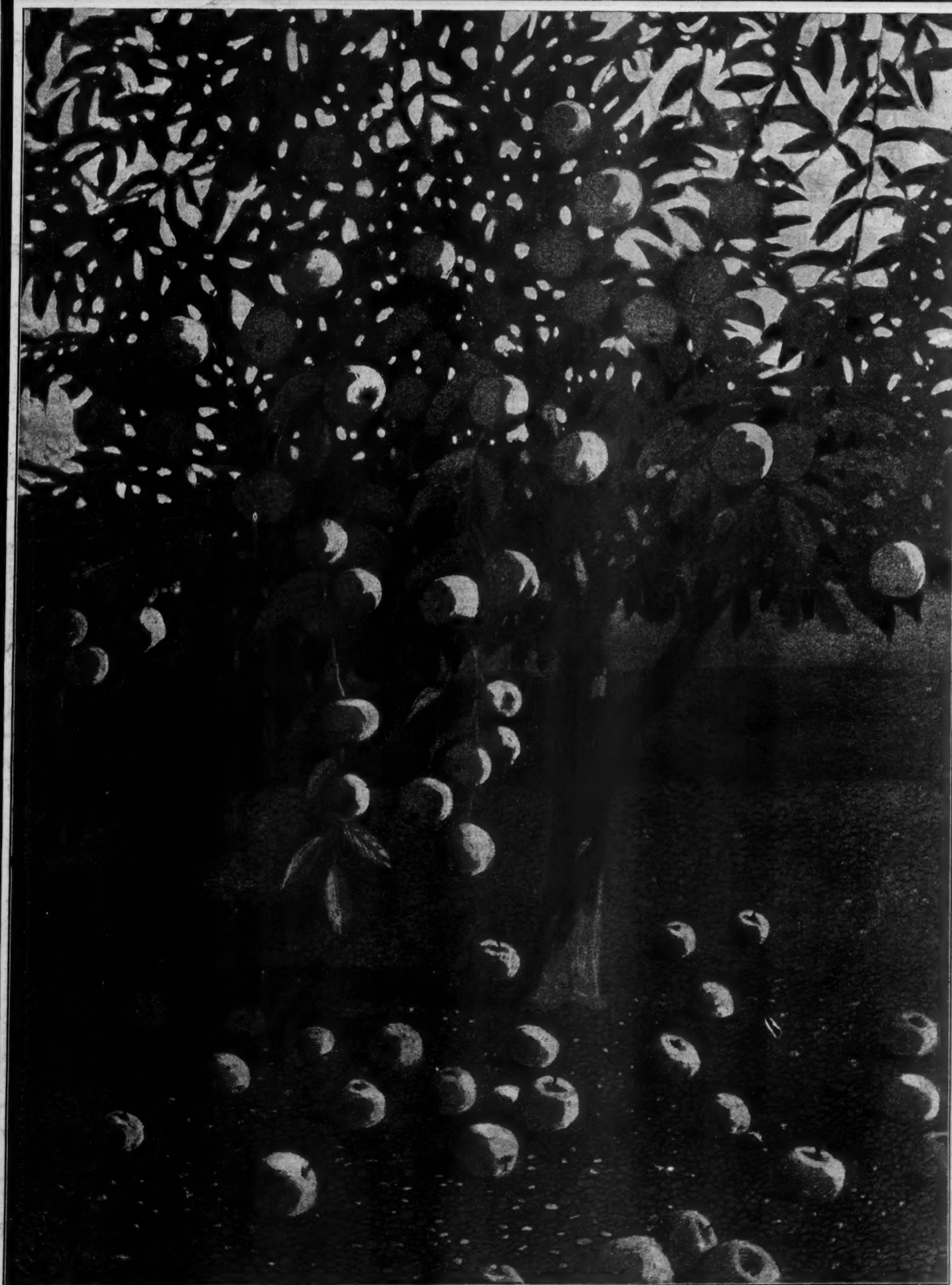


GREEN'S FRUIT GROWER



BANANA APPLE.—Western crop sold this year at twelve dollars per box.

You Are to Be The Judge



You Are To Be The One

to say whether it has or not, whether it did its work or failed, whether we are right or wrong. We leave it entirely for YOU TO DECIDE. You get the evidence, weigh it carefully during thirty days, note your bodily feelings and then pass your calm judgement upon it. It is ALL left to you.

The only evidence we want to put in your hands is a full-sized one dollar package of Vitae-Ore, enough to last you one whole month's time. This package we want you to use, at our risk and expense in sending it, to PROVE TO YOU what Vitae-Ore is, to prove to you what Vitae-Ore will do for you, to prove to you how Vitae-Ore cures. This is all the evidence we offer, for a trial proves its power.

You Can JUDGE IT BY What It Does.

All we ask is a fair verdict. We say if you are sick, if you are not feeling right, that you need Vitae-Ore. We say that one package of Vitae-Ore will prove its power in curing disease, and therefore send it to you on trial without payment of a cent, you to be the judge. You judge it by judging HOW YOU FEEL after you have used it for one month.

You know if you feel better, if you sleep sounder, if you digest your food easier, if your Stomach and Liver do not bother you, if your Limbs and Back do not trouble you, if your Heart does not disturb you, if your Kidneys are acting right, if you are stronger, more active and have more red blood in your veins. You can easily judge after one month's trial if HEALTH is returning to your body. If not, YOU DO NOT PAY.

You Don't Pay for Promises, but pay only for the HEALTH it brings. You pay for WORK and not for words, and if the work is not done to your satisfaction, you don't pay a penny. You alone are to be the judge. We take all of the risk. You are the one to say "YES" or "NO." Read our thirty-day trial offer, read what Vitae-Ore is and write for a dollar package on trial.

Our 30-Day Trial Offer!

If You Are Sick we want to send you a full sized \$1.00 package of Vitae-Ore, enough for 30 days' continuous treatment, by mail, postpaid, and we want to send it to you on 30 days' trial. We don't want a penny—we just want you to try it, just want a letter from you asking for it, and will be glad to send it to you. We take absolutely all the risk—we take all chances. You don't risk a penny! All we ask is that you use V.-O. for 30 days and pay us \$1.00 if it has helped you, if you are satisfied that it has done you more than \$1.00 worth of positive, actual, visible good. Otherwise you pay nothing, we ask nothing, we want nothing. Can you not spare 100 minutes during the next 30 days to try it? Can you not give 5 minutes to write for it, 5 minutes to properly prepare it upon its arrival, and 3 minutes each day for 30 days to use it. That is all it takes. Cannot you give 100 minutes time if it means new health, new strength, new blood, new force, new energy, vigor, life and happiness? You are to be the judge. We are satisfied with your decision, are perfectly willing to trust to your honor, to your judgment, as to whether or not V.-O. has benefited you. Read what V.-O. is, and write today for a dollar package on this most liberal trial offer.

WHAT VITAE-ORE IS.

Vitae-Ore is a mineral remedy, a combination of substances from which many world's noted curative springs derive medicinal power and healing virtue. These properties of the springs come from the natural deposits of mineral in the earth through which water forces its way, only a very small proportion of the medicinal substances in these minerals being thus taken up by the liquid. Vitae-Ore consists of compounds of Iron, Sulphur, and Magnesium, elements which are among the chief curative agents in nearly every healing mineral spring, and are necessary for the creation and retention of health. One package of this mineral substance, mixed with a quart of water, equals in medicinal strength and curative, healing value many gallons of the world's powerful mineral waters drunk fresh at the springs.

Use Vitae-Ore for Rheumatism, Kidney, Bladder and Liver Diseases, Dropsy, Stomach Disorders, Female

Allments, Functional Heart Trouble, Catarrh of Any Part, Nervous Prostration, Anaemia, Sores and Ulcers, and Worn-out Debilitated Conditions. It strikes at the root of disease, eradicating deep-seated lesions and cures where many other remedies failed to benefit.

It Aids Nature.

As an aid to nature Vitae-Ore is an ideal creation. It contains substances which, when the body is in ill health, are needed by nature for her work of recuperation, and in supplying such materials it promotes health in those organs upon which health in the entire body is dependent. Whenever there exists an abnormal symptom, Vitae-Ore assists nature to remedy the disturbance which causes it. It is a vitalizing, tonic, healing, corrective and strengthening force that arouses nature to correct action in vital functions. It acts always in a natural way by assisting nature to properly perform functions which always are properly performed in good health, and thus it helps to establish good health in all parts of the body. A trial proves its power.

A Hale and Hearty Trio.

The Entire Ward Family Permanently Cured of Serious Ailments.

NEWCASTLE, PA.
My entire family has great reason to be thankful to Vitae-Ore, as it is to this remedy that we owe our state of good health during the past few years. It has, indeed, worked wonders for all of us. When we first learned of it, six years ago, my mother was sorely afflicted with a disorder of the stomach and bowels, which had been troubling her for over twelve years and at that time



very severely. Her doctor bill during a short time amounted to \$50.00, with little or no evidence of improvement. Vitae-Ore was recommended and we had mother give it a thorough trial. It gave her immediate benefit, the relief being almost from the first dose, and it was only a short time before we could report her entire cure. It has been permanent, as there has been no return of the trouble.

Father was also afflicted with Kidney Trouble, pronounced by the physicians Bright's Disease, and although at first skeptical, he naturally gave it a trial upon seeing what it was accomplishing for my mother. The result was the same as in her case and he now has no symptoms of his old malady. I personally had been troubled off and on with Rheumatism and Kidney Trouble and my condition at the time we first learned of Vitae-Ore was causing me a great deal of uneasiness, as I feared it would become chronic. I used V.-O. continuously for about three months' time with the same results. We are, indeed, a hearty trio, all enjoying the best of health, and owe it all to the remarkable powers of Vitae-Ore.
O. H. WARD.

A Blessing for Old People.

There is nothing so certain in life as the weakness of old age. The young may need a tonic, but the old must use one. Old age, like youth, makes demands upon the body for nourishment of the body, but loss of appetite and impaired digestion deprive the blood of the nutriment which should be its portion. Sound, unbroken sleep is as much needed in age as in youth, to repair waste tissues. The enlarged volume of waste products, due to the ever increasing tissue-breakdown of old age, requires additional functional activity in the kidneys to eliminate them from the system.

Vitae-Ore serves as an aid in most every disorder incidental to old age. It increases the appetite and desire for food at the same time that it improves the power to digest and assimilate it, so the blood may be enriched by the proper nutriment. By its beneficial action in the system it induces a sounder and more refreshing sleep, and assists the kidneys to perform the requisite action. It helps to prevent the rheumatic condition of the joints usually co-incidental with age and by its general upbuilding powers to prolong vigor and activity in both men and women to a ripe old age.

Was Near Death's Door.

One Package Cured This Woman of Kidney, Liver and Bladder Troubles.

STEVENS, TEXAS.
I had been taking medicine for a long time, ever since I was first stricken with my disease, a complication of Liver, Kidney and Bladder disorders. I took several patent medicines, but none did me any good. My husband called a doctor, who came a few times and then dropped the case. He then called in three more doctors, the best this country affords. One treated me three months, but only gave me temporary relief. I dragged along all year, never feeling like myself. In the fall I grew worse and again went to my physician and he treated me about eight weeks. I was almost ready to give up. I did not know how near death's door I was until a neighbor told me after I began to get better. Our neighbors advised us to send for Vitae-Ore, but I told my husband not to bother, as I thought nothing could help me. He sent for it without my consent, and it was the greatest favor he ever did for me. One package has saved my life. I think I would have been in my grave to-day had it not been for this Vitae-Ore. I have taken only one package, but feel that I am entirely well. When I commenced its use I weighed 98 pounds; now in only five weeks' time I weigh 110 pounds.
Mrs. J. F. MORRIS.



Delays are Dangerous--Do it Now

Health is so Important

To your happiness, success and enjoyment of life and its duties that if you are in any way sick or ailing you should not delay a day nor an hour but should begin proper treatment immediately, before the trouble has a chance to become settled in any of the vital organs, to spread to other parts, or to become aggravated in its developments. The cures Vitae-Ore has made in thousands of cases prove the good work it does in checking disease and repairing its ravages, a work that every sick person, man and woman, should turn to for help. Do not continue suffering when Vitae-Ore is offered to you without a penny's risk. Send for a \$1.00 package on trial today.

Address, Theo. Noel Co.,

G. F. DEPT.
Vitae-Ore Bldg.

Chicago, Ill.

OUR CLASSIFIED ADVERTISING

This department is established for the benefit of the readers of Green's Fruit Grower who have anything to sell. The conditions: No display advertising will be placed in this department. The first three words only to be printed in capital letters. Each abbreviation and number will count as one word. No advertisement inserted for less than \$1. An advertisement containing fifteen words or less, will be inserted at \$1 per issue, additional words six cents each. We cannot afford to do any book-keeping at this rate and therefore cash must accompany every order. Orders must reach us not later than the 15th of the month previous to the month in which the advertisement is to appear. Five per cent. discount on orders run three months or more.

Terms: CASH WITH ORDER. Address, Green's Fruit Grower Co., Rochester, N. Y.

FOR SALE

NEW \$100 Smith Premier typewriter, \$35. Genuine Madstone, Grandfather clock cheap. Prof. Anderson, Summitville, Tenn.

PEACH ORCHARD near Chattanooga, Tenn., 8,000 young bearing trees, good buildings, healthful climate; reason, business here. Frank Coe, Hutchinson, Kansas.

EGGS FOR HATCHING—White Rocks, White Indian Games, White Leghorns; choice, selected pens; single sittings or by the hundred; also white Holland Turkey. Order now. Kirby Orchard Co., Covert, Mich.

FOR SALE—Large Improved Yorkshire pigs, pairs not akin—Dams—Canadian bred, imported English, and United States Sires. In breeding, few as good; none better in America. Cottage Hill Farm, Coloma, Mich.

EGGS FOR HATCHING from pure bred Toulouse Geese, S. C. Brown Leghorns. Also Jinseng seeds and plants. Cheap. Price list free. Hillside Jinseng Garden, Route No. 1, North Branch, Minn.

INVEST NEAR SPOKANE, WASH. North Plymouth addition, elegant tract just opened, one mile from this hustling city; location, soil, water supply and other conditions just right for fruit growing, gardening, poultry, dairying and for a delightful suburban home: \$150 per acre; \$15.00 cash, \$10.00 monthly; rapid increase certain; send to-day for plat. R. L. Bogardus, Box 581, Spokane, Wash. Established 1897.

PIGEONS—Runt Homers; large, healthy stock; prices reasonable. Fred Michelsbach, Prop., Four Oak Poultry Farm, Bridgeton, N. J.

POULTRY FOR SALE

BARRED PLYMOUTH ROCKS—Choice cockerels; also Scotch Collie dogs. Write for prices. W. S. Russell, Ottumwa, Iowa.

GOOD BARRED PLYMOUTH ROCK cockerels, \$1.50 each. Booklet free. W. D. Congdon, Waterman, Ill.

S. C. WHITE LEGHORNS—The quality kind. Stock shipped on approval. Eggs: fertility guaranteed. Chicks, live arrival guaranteed. Write for booklet and price list. Ferris Poultry Farm, 558 North Union, Grand Rapids, Michigan.

FOR HONEST TREATMENT and special bargains, write the NEWARK POULTRY SYNDICATE, Lock Box 1220, Newark, New York.

INCUBATORS AND BROODERS

The "Thomas Convertible Brooder" is the most practical yet. Revolutionizing old methods. Instantly changed to single or double. Customer says: "Brooder cost \$2 to make; raised over 300 chicks in it past season." Make it yourself. Plans and specifications 50c; returned if misrepresented. Red stamp for booklet, containing valuable facts. Thomas Brooder Company, Bedford Court, Detroit, Mich.

MISCELLANEOUS

MANUSCRIPTS TYPEWRITTEN—Careful work; good paper; choice of type; artistic stanza forms; two copies: 60c per 1,000 words. B. F. M. Sours, Mechanicsburg, Pa.

SIX POSTAL CARDS free and four months' trial subscription to fine boys' paper for 10 cents. Practical Farmer Boy, Saratoga, Ind.

PINE LUMBER for sale. B. B. Lorshough, First Fork, Pa.

SMUCKER'S Pure Home-made Apple Butter is like mother used to make. Quality our aim. A satisfied customer our motto. J. M. Smucker, Box 515, Orville, O.

PAN AMERICAN and Autumn Strawberry Plants. Fruit from August to November. Plants for sale by Samuel Cooper, Delevan, N. Y. Circulars free.

BEAUTIFUL MUSIC—Famous vocal and instrumental pieces six cents each. Underprice catalogue free. Herman & Company, Underprice Music Sellers, 1457 South Ninth St., Philadelphia, Pa.

\$50.00 WEEKLY for five men to sell the Twentieth Century Seed Potato Cutter. Farmers buy at sight; does the work of five good men. Is not a hasher. If you are willing to work for \$50.00 weekly, write to-day before another man is appointed in your neighborhood. Now is the time for spring orders. H. F. Heimback, 64 South street, Rochester, N. Y.

CUTAWAY ORCHARD DISC HARROWS. Extension, Reversible; best tool ever used in orchard or fruit. One and two horses. Fruit Growers Specialties. Catalogue. E. G. Mendenhall, Box 303, Kimmund, Ill.

COLD STORAGE is the best way of keeping fruit—everybody knows that. You may think that the cost of a plant is greater than you can afford. Investigate the Gravity Brine System. Better results than with a refrigerating machine; lower first cost; absolute safety against break down. Madison Cooper Co., No. 120 Court street, Watertown, N. Y.

GREEN'S FRUIT GROWER

AN ILLUSTRATED MONTHLY JOURNAL.

GREEN'S FRUIT GROWER CO., Publishers.

C. A. GREEN, President and Treas.

JOHN W. BALL, Secretary.

Charles A. Green, Editor.

Prof. H. E. Van Deman, Associate Editor.

R. E. BURLEIGH, Advertising Manager.

Price 50 cents per year, if paid in advance.

Office, Corner South and Highland Avenues.

Rates for advertising space made known on application.

Entered at Rochester Post Office as second class mail matter.

Subscribers who intend to change their residence will please notify this office, giving old and new addresses.

OUR ADVERTISERS.—We believe that the advertisers using space in Green's Fruit Grower are a worthy and deserving class of business men. It is not our intention to permit the insertion of any swindling advertisement in these pages. If any subscriber has been defrauded by any advertisement appearing in Green's Fruit Grower he will do us and the public at large a service by at once reporting this advertiser to us, giving full particulars. Upon receipt of this complaint we will investigate the affair and will do everything in our power to bring about a satisfactory adjustment. If we find that any advertiser has defrauded our readers, we will deny him space for his future ads. in these pages.

EDITORIAL COMMENT.

Ten million people in this country are on the verge of starvation out of 100,000,000? I cannot believe it. But there are enough poor people to suggest the question, why so much poverty in the presence of such great wealth?

Zinc Labels for Trees.—Where permanent labels are desired to mark the names of varieties of fruit trees, plants and vines, strips of zinc are cut from six to eight inches long, tapering at one end. These strips of zinc are then soaked in strong vinegar for a day or two, after which you can write upon the zinc with a common lead pencil and this writing will remain for many years. Then bind the narrow end of the zinc above the tree and you have a permanent label.

A Rochester, N. Y., house was damaged to the extent of \$10,000, and several members of the family came near losing their lives. The cause of this fire, and the cause of many thousands of other fires throughout the country, was the storing of ashes in wooden boxes, kegs and barrels in the cellar. Many people who would not store wood ashes in wooden receptacles think it safe to store coal ashes in wooden kegs or boxes, but this is a mistake. I allow no ashes in my cellar to be stored in anything but a galvanized iron receptacle, which holds two bushels of ashes. There are handles on each side by which the ashes can be removed to the outside of the house, every few days. There are few people who realize the danger to life in case the house catches fire at night when all are asleep. Within the first few minutes after the fire starts the house will be filled with smoke, if not with flames, rendering it difficult for the dwellers therein to escape with their lives, as the hallways and stairways are blocked with smoke, the hallways being first filled.

A CLEAN CELLAR.

There are many cellars of dwelling houses that are not in a condition of which the owners may be proud. There are few who keep their cellars in such condition that they would be glad to take a guest there. Most people have reason to be ashamed of the condition of their cellars.

The cellar is the least often visited of any part of the house. This is one reason why it is neglected. Only the servants go there; therefore the man and

his wife are not familiar with the conditions.

Every house cellar needs overhauling and cleaning and setting to rights at least once a week. Every cellar should have its walls whitewashed at least once a year. Whitewash destroys the germs of fungus and diseases which gather upon the moist walls, and this whitewash also makes the cellar lighter and pleasanter.

Rubbish of all kinds is liable to accumulate in the cellar, as are decayed vegetables and fruits. Odors from the cellar escape through the cracks in the floor and ascend through the house. If your fruit room is in the cellar it should be partitioned off by itself and more frequently ventilated and kept cooler than the other parts of the cellar. Cart away the old bottles, boxes and barrels and sweep up the floor. The floor of the cellar should be cemented, otherwise you will carry upon your shoes the soil of the cellar bottom and spread it upon your carpets upstairs.

PROSPEROUS TIMES FOR FARMERS

The recent report of the Hon. James Wilson, secretary of agriculture, is full of encouragement for farmers, fruit growers and business men generally.

It is shown in this report that the farmers of the United States will receive this year more money from the various farm and fruit crops than ever before in the history of the country.

While some of the staple crops like corn, wheat and apples are slightly under the average yield, the high price prevailing for all crops, will more than make up for the slight shortage.

The value of the corn crop this year is 26 per cent. above the average, the value of the cotton crop is 7 per cent. above the average, the value of the wheat crop is 5 1-2 per cent. above the average, the value of the potato crop is 26 per cent. above the average, barley 5 per cent. above the average, tobacco 6 per cent. above the average.

The total wealth produced on farms for the year 1907 exceeds that of 1906, or that of any preceding year, amounting in all to \$7,412,000,000, 10 per cent. more than ever before, 25 per cent. in excess of the year 1903, 57 per cent. greater than for 1899. The vast wealth produced by our farmers puts into the shade the wealth produced by railroads and manufactures.

Does This Mean You?

A number of subscribers to Green's Fruit Grower are owing us for subscriptions. Simply pin \$1.00 to the attached order blank, mail it at Green's risk, and get Green's Fruit Grower for 3 years. After marking off the time you have already received Green's Fruit Grower, we will credit you for the balance of the 3 years and send you a postal card stating just when your subscription will expire.

Will you favor us by sending in your renewal at once, as we need the money NOW. "Act well your part, there all the honor lies."

C. A. GREEN, Editor.

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(Sign Here)

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County.....State

I enclose herewith \$1.00 for which please credit me for 3 years' subscription to Green's Fruit Grower, and send me a postal card stating just when the 3 years will expire.

To the Publishers of GREEN'S FRUIT GROWER, Rochester, N. Y.

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With the Dorach Double Row Ice Plow. We guarantee it will cut more than 20 men sawing by hand. Cakes are cut uniform, of any size and thickness. One man and a horse will cut more ice in a day than the ordinary farmer and dairy man can use. You can cut for others and make the price of our plow in two days use. Ask for catalogue and introductory prices. JOHN DORACH & SONS 280 WELLS ST., MILWAUKEE, WIS.

450,000 TREES

200 varieties. Also Grapes, Small Fruits etc. Best rooted stock. Genuine, cheap, 2 sample currants mailed for 10c. Desc. price list free. LEWIS BORSCH, Box 11, Fredonia, N. Y.

FARM FOR RENT

On eastern shore of Maryland, near Salisbury. For full particulars, address SAMUEL P. WOODCOCK, Salisbury, Wicomico Co., Maryland.

VETERINARY COURSE AT HOME.

\$1200 year and upwards can be made taking our Veterinary Course at home during spare time; taught in simplest English; Diploma granted; positions obtained successful students; cost in reach of all; satisfaction guaranteed; particulars free. ONTARIO VETERINARY CORRESPONDENCE SCHOOL, Dept. 17, London, Canada.

\$8 Paid Per 100 for Distributing Samples of Washing

fluid. Send 6c stamp. A. W. SCOTT, Cobleskill, N. Y.

Agents \$103.50 per month

selling these wonderful Season's V. C. CIGARETTES, Columbus, O. 2c 22 pairs in 5 hours, made \$10; you can do it, we show how. Pass Order. G. Thomas Mfg. Co. 62 E. Dayton, O.

\$90 A MONTH for men to put out Merchandise and Grocery

catalogs. Mail Order House. New York, Chicago.

Honey

Finest quality clover honey in 30 lb. cans. One can 11 1/2c per lb. 2 or more cans, 11c per lb. Send for Price List. H. V. Facey, Preston, Pa. or to, Mass.

Farmers' Sons Wanted

with knowledge of farm stock and fair education to work in an office, \$400 a month with advancement, steady employment, must be honest and reliable. Branch offices of the association are being established in each state. Apply at once, giving full particulars. The Veterinary Science Association, Dept. 12, London, Canada.

FITS

I have cured cases of 20 years standing. Trial package free by mail. Dr. S. FERRY, Dgts. Park St., Chicago, Ill.

DISTRIBUTERS WANTED—For Circulars and Sam-

ples. Address: Universal Advertising Co., 31 Chestnut St., Chicago, Ill.

WE'LL PAY THE FREIGHT

and send 4 Buggy Wheels, Steel Tires on 4 Buggy Tires, \$15.00, 1 mfg. wheels \$4 to 4 1/2. Read. Top Buggies, \$23.75; Buggies, \$10.75. Write for catalog. Learn how to buy direct. Beware of cheap. Wagon Umbrella FREE. W. M. BOOB, Cincinnati, O.

ASTHMA

I want to tell all who are afflicted with asthma what cured me after 46 years of suffering. Send your name and address and learn of something for which you will be grateful the rest of your life. G. F. ALEXANDER 461 Exchange St., Portland, Me.

NEWTON'S HEAVE AND CROUP CURE

A VETERINARY SPECIFIC. 15 years sale. One to two cans will cure Heaves. \$1.00 per can. Of dealers, or express prepaid. Send for booklet. The Newton Remedy Co., Toledo, O.

MARRY WEALTHY Photos, Descriptions, P. O.

BEAUTY Addressed (sealed). Garfield, 204 Wilcox Ave., Chicago, Ill.

POPULAR SHEET MUSIC 12c PER COPY.

Arrah—Arab—Blue Bell—Bull Dog—Boone—Cheyenne—Happy Heine—Jola—Laughing Water—Starlight—Would You Care—Waiting at the Church—Cavalleria Rusticana: Fifth Nocturne—Flatterer—Flower Song—Fra Diavolo—Il Trovatore—Spring Song. Send 2c postage for FREE CATALOG. American Music Co., 66-80 Leonard Street, New York, N. Y.

THE GENUINE SMITH STUMP PULLERS

W. SMITH GRUBBER CO. CATALOG FREE—DEPT. E-9 LACROSSE, WIS. U.S.A.

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The Piano, Organ, Violin, Mandolin, Guitar, Banjo, Cornet. Expert teaching by mail. The Best and Cheapest in the World. Really free. Send for booklet.

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\$90 A Month for Men to advertise and distribute our sample Mail Order Mags. Catalogue. Unity Supply Co., Chicago

Never Cut a Corn

It is dangerous. Our plasters give safe, sure and speedy relief extracting the corn without pain or trouble. Mailed direct to you, five for a dime, fifteen for a quarter. Blasts on foot comfort free with each order. SIMPLEX CORN CURE, 1003 Walnut St., Phila., Pa.

THIS SOLID GOLD RING

for selling seven 25c boxes "Merit" Blood Tablets. 30 days allowed to sell Tablets, return money and get ring. Address "Merit" Medicine Co. Room 25. Cincinnati, Ohio.

PATENTS SECURED ON EASY PAYMENTS.

WRITE FOR TERMS. SHEPARD & HAVELL, Box 2215-F, WASHINGTON, D. C.

LEARN VETERINARY DENTISTRY

and \$2000 a year. We teach you at home in make 3 months of your spare time by illustrated lectures and grant diploma with degree. Particulars free. Detroit Veterinary Dental College, Detroit, Mich.

The Best Strawberries

grow from Farmer's plants. Introducer of "Owago" strawberry and "Pum Pkin" raspberry. Fruit plants, all kinds. Catalog free. L. J. Farmer, Box 807, Pulaski, N. Y.

Beautiful Water-Front Farm, with Timber,

for sale on the eastern shore of Maryland. For full particulars address SAMUEL P. WOODCOCK, Salisbury, Md.

AGENTS WANTED in every neighborhood to look

after new and renewal subscriptions. LIBERAL commissions and extra monthly cash prices. Pleasant and profitable work. For terms address, FARMERS' REVIEW, 1017 Ellsworth Bldg., Chicago, Ill.

BEE-KEEPING

Its pleasures and profits, is the theme of that excellent and handsome illustrated magazine, Gleanings in Bee Culture. We send a free sample copy, a Book on Bee Culture, and a Book on Bee Supplies, to all who name this paper. THE A. I. ROOT CO., Medina, Ohio.

OUR WONDERFUL 1908 OFFER.

goods in the regular way, but take advantage of various sales to secure bargains. Our mammoth plant is the largest in the world devoted to the sale of general stocks. Over 35 acres literally covered with merchandise.

Special Furniture Catalog Free

We are constantly purchasing at 8heriffs and Receivers' Sales complete stocks of high grade, brand new, up-to-date Furniture, Carpets, Rugs and Linoleum. We can save you from 30 to 60 per cent. Good Linoleum at 30c per sq. yd. Rugs from \$1.50 up. Bedroom Furniture, Office Fixtures, Store Fixtures, etc. We can furnish everything needed for the home or the office.

Send us list of your requirements or ask for our Special Furniture Catalogue.

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ture, Carpets, Rugs and Linoleum. We can save you from 30 to 60 per cent. Good Linoleum at 30c per sq. yd. Rugs from \$1.50 up. Bedroom Furniture, Office Fixtures, Store Fixtures, etc. We can furnish everything needed for the home or the office.

Send us list of your requirements or ask for our Special Furniture Catalogue.

FIELD FENCING. 20c per rod

Galvanized graduated diamond mesh field	
fencing, 22 in. high, per rod.....	22
36 in., per rod.....	36
Square mesh fencing at the same prices.	
Heavy 2-in. mesh, hexagon galvanized	
fencing, suitable for every purpose, made	
of No. 16 wire, 150 lines feet 24 in.	
wide, per bale.....	\$2.00
Galvanized poultry netting, 2-in. mesh,	
150 lines feet to the bale; 12 in.	
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ENAMELED TUBS, \$6.00

Brand new steel
tubs, with enamel
baked on, 5 ft. long.
Handsome white
enamel, seamless
cast-iron, roll rim
bath-tubs. **\$15.25**
Low-down water
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Beautiful Marble Washstands.....	9.00
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GALV. STEEL TANKS, \$2.00
Weigh less and twice as practical as wooden tanks; best manufactured. 32 gal. tank, \$2; 47 gal., \$2.50; 73 gal., \$2.75; 6 bbl., \$5.50; larger sizes in proportion. Feed Cookers, \$9.20.



Steel Wagon Tanks \$7.00. Galv. Troughs 60c.

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a cool-



rod and crank shaft are steel dropped
Both the crank and wrist pin brasses
engine, built on the most improved up-to-

strength, durability and simplicity of operation to understand working this Engine.

can be used for any general farm power shop uses. Be alive to modern methods of operation. When the engine is started and stopped instantly, it is a magneto dynamo and set of four dry cells for starting Engine. When Engine is complete with all necessary oil caps, etc.

Supply Outfits at \$48

...your
...simple
...run-
...thereby
...con-
...spec-
...air and
...and all
...complete


... of our
pressure

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3-ton Steel Wagon Scale with 8x14 ft. platform, \$22.75; other wagon scales up to \$5.50; 400 lb. capacity Portable



Platform Scales,
guaranteed, \$8;

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Published Monthly—Price, 50 Cents a Year.

Volume 28.

ROCHESTER, N. Y., JANUARY, 1908.

Number 1.

Talk With the Deacon

About Plums and Plum Culture.

Reported for Green's Fruit Grower.

"There is no fruit that is in greater favor in my garden than the plum," said the parson. "The man who preached in this village before I came was endowed with more than ordinary good sense. He was a horticulturist. He planted trees, grape vines and other small fruits. Among these were several plum trees which have borne abundantly each year."

"The plum is one of the most beautiful fruits," said the deacon. "There is no fruit which is more highly prized by the housewife than the plum. It is unexcelled for stewing, canning or preserving. It is a wholesome fruit containing just enough acid to meet the requirements of the average man, woman or child."

"What is the difference between a plum and prune?" asked the man with the spectacles.

"Both plums and prunes are plums. The name prune has been given to a plum of elongated form, with slimmer neck than plums usually have. This shape of plum having the shape of those most often evaporated, or dried in the sun in California, has given us the name dried prunes, but dried prunes are simply dried plums, nothing more, nothing less. Many have been mystified by the name prune. Looking over the catalogues of nurserymen they have seen certain trees labeled prunes. They have said to themselves, what is a prune anyway? I have heard of plums but have never seen any prunes except those which are dried and sold by the pound in the grocery. Most prunes contain more sugar than the average plum and make a superior dried product. Therefore rest assured that if you are planting a plum tree you are planting a plum tree, and a tree of superior quality."

"How about the Japan plums which I have heard so much about lately?" asked the parson.

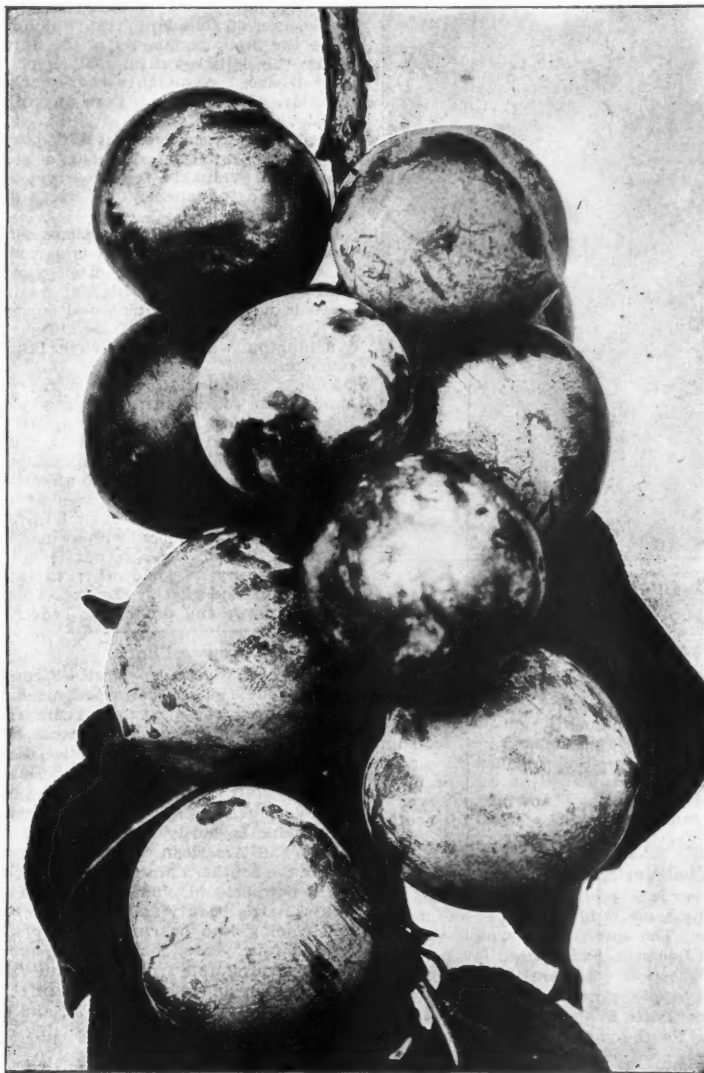
"This is a class of plums unknown in this country until about fifteen years ago, when they were introduced on the Pacific coast from Japan. A New Jersey nurseryman planted the first Japan plum tree. He called it the Abundance, for the reason that it yielded fruit so abundantly very soon after the tree was planted. This is a peculiarity of nearly all of the Japan plums. I have seen trees not over six feet high loaded down with beautiful Japan plums. It often bears in the nursery rows before the trees are dug for sale. This is a beautiful family of plums, embracing every shape and color of the rainbow. Some are almost white, some are of a delicate yellow, others are light red, others dark red and some almost purple. The Japanese are more certain bearers and more inclined to bear every year than ordinary plums. The Japan people, to whom we are indebted for these newer and very peculiar variety of plums, are remarkable. They have accomplished wonderful things, not only in manufacturing, inventing, in ship-building and in war—they are noted horticulturists. The native persimmon of America is often no larger than an acorn, but in Japan they have by careful selection and breeding secured a persimmon of monstrous size and great excellence, ten or twenty times as large as the native persimmon of this country, and of a bright red color."

"How does the Japan plum differ from the native or European plum?" asked the man with spectacles.

"The foliage of the Japan plum trees and the growth and character of the fruit is entirely different from those you mention. The leaves of the Japan plum trees look more like peach leaves. Japan plum trees grow more rapidly than other plum trees, bear at an earlier age, and bear more abundantly and more frequently," replied the deacon.

"What is your favorite variety of the Japan plums?" asked the parson.

"If I were to have my choice of all the Japan plums, and many of them are of great value, I would choose the Burbank plum. This is not one of the creations of Luther Burbank, as many suppose.



BURBANK PLUM. Reddish purple. Ripe in early September.

As I understand, all the varieties of Japan plums sent to this country were unnamed. They were tested and one after another was given a name. The name of Burbank was given to this most excellent variety, but in reality had no connection with Luther Burbank."

"What are the peculiarities of the Burbank plum?" asked the man with the spectacles.

"I can answer that question," said the Bald-headed man. "I have been growing the Burbank plum for several years and know it as well as anyone in this country. It is a vigorous grower and needs to be cut back each season, otherwise its branches will spread over too much ground. It bears fruit soon after planting, and bears more abundantly than any other plum on earth. I remove more than half the fruit from each Burbank plum tree every season, and then there is still remaining upon the tree more than the tree can safely carry and fully develop. When the fruit is properly thinned the Burbank is of large size and is possessed of great beauty and excellence of quality. When all the fruit is left on the tree of Burbank plum, it is so overloaded that the fruit cannot attain large size. In fact, if they did attain large size, there would not be room enough on the tree to hold them. When not thinned the fruit of the Burbank is not so good in quality. The Burbank plum grown at its best will sell on the market at the highest price since it is remarkably beautiful, attracting attention wherever seen."

"A remarkable characteristic of the Burbank plum," said the deacon, "is its keeping qualities. It is the only plum I ever saw which can be picked by the bushel or the barrel and sent in these packages to distant markets, arriv-

ing in good condition. Of course, when thus picked, the fruit must be picked before it has fully ripened. And here is another qualification of the Burbank plum. It can be picked as soon as it colors and before it is ripe, and it will ripen for weeks and make a good preserving or canned fruit. Altogether, this is one of the most remarkable of all plums."

"A friend of mine from Nebraska was so delighted with her Burbank plum tree that she sent me a photograph of it as soon as it was ripe. The tree had only been planted three years, and was filled with large and showy fruit. This friend had never seen anything in the way of plums so beautiful. The tree was hardy in Nebraska, where many plum trees will not survive the winter."

"What about the York state prune?" asked the parson.

"This plum or prune came from seeds of the German prune which were brought to this country by Germans living in Livingston county, N. Y. The trees were sold there for many years as the German prune. In one locality there were many orchards of this prune which were far superior in size to any German prune. Buyers came from Buffalo each season to buy all this fruit. Then, later, it was discovered that the growth of the York State prune tree was far more vigorous and upright than that of the German prune. Thus this variety, which is a superior strain of the German prune, became famous, and has been planted over a wide extent of the country. It is one of the most valuable of the European varieties."

"Why are some plums and prunes called European?" asked the man with the spectacles.

"For the reason that most of our plums of superior quality came from

Europe, as did the German prune, York State, Bradshaw, Lombard, Imperial Gage, Shippers Pride and Damson. The native American plum is inferior to the European or Japan plums. The Wild Goose and Weaver are types of the native American plums. They are of bright and beautiful color, and the trees are the hardiest of all plums, but they are not so good in quality as the European or the Japan varieties. In Minnesota and other northern states, the native American plum is hardy and survives the severe winters."

"Have any of you fruited the Thanksgiving prune or plum?" asked the parson.

"Yes," answered the deacon. "There are many fine orchards of this plum in western New York. It may be classed as an European plum. It is called a prune simply owing to its being shaped like a prune. The tree is hardy and productive. The fruit is of superior quality and of large size. Its color is purple. Many people have been deterred from planting the Thanksgiving prune, thinking that it ripened too late. But this is not the case. It ripens in October. It has a greater capacity for keeping than any other plum known. The fact that it has kept from October to Thanksgiving has given it the name Thanksgiving Prune, but it can be picked in October and sold or used at that time."

"Who has seen the Climax plum?" asked the bald-headed man.

"I have fruited it," replied the deacon. "It is one of the largest of the Japan plums, ripening early. Its flesh is yellow, sweet and delicious, with a pineapple flavor. It was originated by Luther Burbank. Red June, Wickson, Hale plum and Satsuma are Japan plums, each possessing many good points."

Plum Culture.

While inferior crops of apples or peaches may be grown on land seeded to grass or grain, plums are generally a total failure under such treatment. With such usage they frequently shed their leaves in midsummer, when all growth of tree and fruit ceases. Thorough cultivation until the crop is nearly matured is the best known remedy for this evil. When successful, the plum bears immense crops, for which reason annual manuring is absolutely necessary to supply the ingredients taken away with the crops. A failure in this respect generally means a failure of crop.

All fruit falling on account of being punctured by the curculio, should be picked up at least once per week, and destroyed. I think the young curculio usually remains in the plum about ten days after it falls. To jar small trees a nail may be driven in the tree, which I believe does no injury; or a limb may be sawed off an inch or so from the trunk and struck with a hammer. When the trees become large I have found a crocheted stick, five or six feet long, about as heavy as a common handspike, with the crocheted wound with cloth to prevent bruising, the most convenient to jar the trees. The tree should be approached as quietly as possible and let the jar be sudden. Shaking the tree will not answer. Sometimes in the middle of the day, especially if it be warm, the curculio will fly off the sheet before they can be caught; sprinkling the sheet with water will prevent that. I believe if each tree be shaken every hour in the day while they are at work, all, or nearly all will be caught, although they might come from adjacent orchards afterwards and destroy the crop. The idea that early morning is the only time they can be successfully caught is a fallacy. I have known heavy crops secured, where curculio swarmed by the thousands, while the jarring was only continued one or two days. Each tree was jarred repeatedly during the day, and the jarring was continued until none could be caught.

Broad-headed horses are the cleverest. In cavalry regiments the horses with broad foreheads learn their drill more rapidly than the others.



THANKSGIVING PLUM. A large blue variety. Ripe in August.

History and Peculiarities of the Plum.

The plum is a hardy fruit, which originated from the bullace. It is a native of S. Russia, the Caucasus, and the banks of the Volga, but has spread into other parts of the world. It belongs to the natural order drupaceae. The bullace has spiny branches, flowers in pairs, ovate or lanceolate leaves, and roundish fruit. The domestic plum has spineless branches, mostly solitary flowers, lanceolate leaves, grows fifteen to twenty feet high, and shows a resemblance to the sloe, though larger in all its parts. The original species and its two principal varieties have a wide geographical range, extending from Norway to Barbary, and from Portugal to Cashmere and even Nepal. Damascus was formerly celebrated for this fruit, and the many kinds known as damsons probably originally came from there. The cherry plum or myrobalan has a handsome red globose fruit, which is depressed at base; its nut is furnished with a small point. It is a very interesting fruit, and may be regarded as the first remove from the bullace. The myrobalan is spoken of favorably as an ornamental tree, deserving a place in gardens on account of its early flowering. The apricot-like plum has the appearance of an intermediate state between the wild apricot and the wild plum; it is regarded, however, as a sub-variety of the domestic plum. The finer kinds of garden plums are found to vary greatly from each other in the size of foliage, earlier or later blossoming, size and shape of fruits, and in the smoothness or downiness as well as vigor of their young shoots. The number of approved kinds, according to the English catalogues, is 274; the best American authorities reduce that number considerably. A large number of choice sorts have originated in the United States, and some of great size and beauty of fruit. Those known as the Lombard, Red Gage, Golden Drop, etc., with all the damsons, bear fruit well in sandy soils, while the Smith's Orleans, Washington, Duane's Purple, etc., seem suited to a northern climate; and the Imperial Gage, Coe's Golden Drop, and the Huling's Superb are better suited to a southern. The chief uses of the plum are for dessert and for preserving in syrups. In France several distinct sorts are raised expressly to manufacture into a sort of dried preserve called brignoles. —From American Cyclopaedia by permission.

In the plum orchard we find the necessity for rich soil and good culture. I would rather neglect any other tree than the plum, but none should be neglected. With good soil and culture the plum grows vigorously, the bark is smooth and bright and usually healthy. With neglect the trunks are rough and gnarly,

sprouts shoot out from the trunks, the tops are uneven, with some dead branches, but still fruitful. I do not often find plum trees with any life left that do not attempt to give a harvest. Lowish land will produce plums if well drained. No fruit should be planted on low, wet, undrained land. Soil inclined to clay is the best, and uplands as well or better than low lands. I am not in favor of low lands for fruits. Yet they often give excellent results.

What Varieties of Plums to Plant.

Every one realizes the importance of having some 12 to 50 plum trees on their place. The question is what varieties shall I plant? This indeed is an important question whether you are planting plum, apple, peach or small fruits.

York State Prune is a variety of great value for the garden and for market. It is well to consider the market value of varieties for though you may plant simply for the use of your family it is possible that you may have several bushels of plums to sell. There are probably many people in your locality who will not have a plum upon their place and if these people learn that you have a surplus of this fruit they will be likely to come to your place to buy a supply. If they do not you can sell them at your grocer's. York State is much like German Prune. German Prune is its parent. York State is a larger plum than German Prune and the tree is a more vigorous grower. It is of superior quality.

Burbank Plum.—I place Burbank at the head of the Japan plums. I do this knowing that there are many valuable varieties of the Japan class. Burbank bears fruit abundantly on small trees when a short time transplanted. It is a handsome reddish plum roundish in form. It makes an excellent sauce.

Lombard.—This is the old favorite standby among plums. Everybody who plants plum trees plants Lombard. It is of good size, the color of a violet red. It ripens in August; is hardy and prolific and well adapted to all soils. It is not exceeded in productiveness by any plum on earth.

Bradshaw is a large dark purple plum of fine quality. It is a free-stone. When fully ripe it is juicy and but slightly acid, is a good grower and good bearer of very handsome fruit.

Shipper's Pride is a very large round purple plum producing large crops of fruit which endures shipment better than ordinary; flesh is firm, quality good and the tree a strong upright grower.

Thanksgiving Prune or Plum.—Remember that I use the words prune or plum in connection with this variety for plums are prunes and prunes are plums. Some people are misled by a variety being called prune. They fear that prunes are not what they want because they are

not called plums. Thanksgiving plum ripens in October, a desirable season for selling and for canning or making preserves. This variety has the remarkable characteristic of keeping almost like apples in an ordinary room for weeks or months if not piled too high in the box or basket. It is ready to market or to be cooked in October as soon as matured. It is of fine quality, an abundant and prolific bearer. Those who planted it three years ago paid \$2 each for the trees. There are several orchards in western New York embracing hundreds of trees which cost \$2 each, but the price now is reduced to that of ordinary varieties.

Abundance.—This is another Japan plum one of the earliest to be brought from Japan. Here it has proved an early bearer of abundant fruit, which has led to the great popularity of the Japan plums; this is a beautiful reddish plum, of good size. Abundance bears earlier, probably, after planting, than any other variety.

Gueli.—This is a large oval dark purple plum with firm flesh, sub-acid, a great bearer and valuable for preserves, for canning and for market. It ripens first of autumn.

Reine Claude.—This is sometimes called Reine Claude de Bavay. It is a roundish greenish yellow plum, often spotted with red and is of the highest quality. Flesh is juicy, sugary, rich and superior in flavor; it somewhat resembles the Washington which has always been a favorite.

Pond's Seedling.—If you want the handsomest plum that ever grew plant Pond's Seedling. It is tapering at the stem end shaped something like a prune. Its color is reddish violet, appearing on the tree to be a bright red almost as beautiful as the rose. A tree of this plum with its bright red fruit is an attractive object which will repay one going some distance to see. It is not of as high quality as some other varieties, but is juicy and rich in flavor. Tree is a good grower and productive bearer.

Japan Plums.

Editor of Green's Fruit Grower: These plums have attracted more interest during the past few years than any other fruit. They are distinct from our native and European varieties. Many of them succeed well in the northern and western states in places where European varieties cannot be depended upon.

Burbank is hardly as far north as where the American varieties succeed; as for the southern states they are opening a new field in plum growing. Their uniform size, beauty and productiveness, and coming into bearing at the age of two to four years, makes them one of the most profitable fruits to plant. Their flesh is firm and meaty, will keep for a long time in excellent condition, and can be shipped great distances for this reason.

The plum will succeed in almost any kind of well-drained fertile soil, such as would raise a good crop of corn or potatoes. Many are not only planting for commercial purposes, but being limited for space have to confine their selections to a few varieties for planting about the home; many of such trees have to be planted in sod. If there be no provision made for a regular established fruit garden about the lawn or dwelling, plums may be successfully grown, even for commercial culture, where the ground is steep or rough. It is by no means necessary for the home supply to break sod other than to remove circular pieces where the trees have to stand.

The preparation for planting a young tree includes a severe pruning back of the top branches which will not only serve to stimulate the loss of roots which a nursery tree invariably sustains in digging, packing, transportation and planting, but will promote more vigorous growth of the young branches, and enable you to secure a finely balanced headed tree.

The Japan varieties, on account of their wonderful rapidity of growth, almost without exception require an annual cutting back of the new shoots from one-half to two-thirds of their length. This annual heading of the new growth will result in the rapid multiplication of vigorous new shoots, hence effective thinning as well as cutting back will be necessary to keep the trees in proper shape for their annual crop of fruit.

Among the best varieties of Japan plums is Burbank. Being a rapid grower it makes a fine healthy tree, and as is indicated by its name, is an abundant bearer of very choice fruit. This is one of the most popular and extensively cultivated of the Japan plums.

Abundance is another very fine plum perhaps a little superior in flavor to Bur-

bank, but the tree is not quite so vigorous and thrifty, yet it is a good desirable variety to plant. Other Japan varieties are, Red June, Wickson, Satsuma, October Purple and Climax.

In the European varieties, Lombard is a vigorous grower, fruit attractive of a purplish red or violet color with a pleasant and mild flavor. Bradshaw is a vigorous upright grower, very attractive, of large size. Gueli, extensively grown for market being a strong and vigorous upright grower, an early and very abundant bearer, one of the best for market purposes. Other varieties are Grand Duke, Pond's Seedling, Reine Claude, Shipper's Pride, Thanksgiving, all of which are valuable for commercial purposes.—F. W. Wells, N. Y.

Plums by Aid of Poultry.

To the many previous items of recorded experience favoring presence of poultry among plum trees "The Journal of Agriculture" adds this:

"A farmer who had a plum orchard from which the fruit regularly fell before ripe never succeeded in getting a crop until he transferred his hens to this plot and kept them there until the plums were ripe. The fowls needed less food than when kept in close quarters and gave better returns."

A co. respondent enclosed the trees with a temporary fence, put in a hen with chickens, and since then has had "bushels of delicious fruit, more, indeed, than could mature. Subsequently others were planted in the poultry yard with results equally favorable. The jarring—to bring the destructive insects within reach of the fowls—is indispensable, and described as follows:

"I begin to jar the trees every morning, the earlier the better, as soon as the fruit sets, and keep it up until the stone forms. Then I thin out all I have the heart to, but not enough usually. While the trees are small you can jar with the hand, giving two or three sharp raps or pushes; as the trees get larger I use a mallet, with a padded end; and as they get eight or ten inches in diameter, I reach up among the larger branches, as a rap on the trunk will not jar it enough. Try it, and eat plums to your fill for six weeks, besides having all you want to can.—New York "Tribune."

Items of Interest.

The first of the modern bank notes were made in China about the year 1000 A. D.

The wasp's nest is constructed of a first class article of papier mache, made from the pulp of wood, with an animal glue specially prepared by the wasps for the purpose.

The honey of the snapdragon cannot be extracted by the common bee, which has not weight enough to pull down the lower jaw of this curious flower. Only the bumblebee has access to the interior.

The first trapdoor was made by a species of African spider which has its nest in the ground and closes the entrance by means of a trapdoor opening outwardly and covered with bits of earth and grass in order to escape observation.

AGENTS WANTED.

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Work near home and good pay. We employ men or women to do this work. Send for samples, instructions and full particulars. Green's Fruit Grower Co., Rochester, N. Y.

"Why, what is Harry crying about?" asked the mother.

"He's mad, mum," explained nurse, "because I wouldn't let him go to the Stomones' across the strait. They're havin' charades, he said, an' I wasn't sure whether he'd had thim or not."



This photograph of cow and calf is one of the best photographs of cattle that I have seen for years. It was sent Green's Fruit Grower by E. J. Miller, of Ohio. It is enough to make a city man gnash his teeth with envy to look at such a scene as this.

Fruit Helps

By Professor H. E. Van Deman, Associate Editor.



BENEFITS OF HORTICULTURAL MEETINGS.

This is the time of year when nearly all of the horticultural societies have their annual meetings and it reminds me of the great benefits that I have derived from attending meetings of this kind. And it is a matter of serious regret that I am now almost cut off from them by the business cares that are occupying nearly all of my time.

It was forty-one years the 6th of this month, December, that I attended my first horticultural meeting, which was that of the Ohio Pomological society at Zanesville. I was little more than a boy then and it was a great pleasure to meet some of the noted pomologists of that day, among them Dr. John A. Warder, then president of the society; M. B. Bateham, the secretary and one of the most tireless and self-sacrificing horticulturists in the country; Dr. J. P. Kirtland, noted as the originator of several valuable cherries and a host of others. A year later, at the Sundusky meeting, I had the opportunity to meet Thomas Meehan, an honorary member from Germantown, Pa., whose memory the whole horticultural world reveres. He and I were entertained at the same private house and I had special privileges in the way of securing information from him, which has been of more value to me than could be estimated.

When I went to Kansas in 1870 I at once joined the State Horticultural society and attended its meetings until I left the state to take office and live in Washington, D. C. I was sometimes unable to spend money for railway fares to these meetings and rode horseback far from 50 to 100 miles, that I might not be denied their benefits.

Meetings of the national and international societies of the horticultural nature I have attended for many years and always with profit, and hope that I will be able to do so as long as I live. But it is a privation to be forced to decline the many invitations to attend the state and other local meetings as I once did. There is so much depending on me in the management of the pecan orchard in Louisiana and our tropical fruit farm in southern Florida that I do not have time for much else.

INTERCHANGE OF IDEAS.

One of the main benefits of horticultural meetings is the interchange of ideas. There is no one so well informed that he may not learn something, and usually something very important in the way of treatment to trees, plants or soil, about the varieties to be planted or rejected, methods of grading, packing or marketing fruit or something else connected with the business. One may know one thing and another something else and in the multitude of experiences related or suggestions thrown out there will be an interchange of ideas that is sure to result in good. We may read of these matters to be benefited, but there are more chances for getting at the facts and making fixed impressions on the mind by face to face discussions. Of course the surest way to get information is by actual trial, but next to this is by discussion with those who have had experience.

WE MAY BENEFIT OTHERS.

Not only may we receive benefits from attending horticultural meetings but we can and should help others. It is a duty we owe to our fellow workers, to give them the benefit of our ideas. And it is a well known fact that there is very little of the ordinary spirit of selfishness among horticultural people. That is probably one of the reasons for the prosperity that is usually the lot of the horticulturist. The statement that "the liberal soul shall be made fat" is as true as any that has been made. We have almost no trade secrets and one who has is soon in bad favor with his fellow horticulturists.

SOCIAL BENEFITS.

Life should not be all business, nor is it so among the horticultural fraternity. At the meetings of the various societies there is often much of a social nature included. We meet those of kindred minds and warm attachments are formed. The friendships formed at the horticultural meetings are prized more than I can express and will live until death. They are as delightfully fragrant as the

most delicious of the fruits we grow and as beautiful to the eye of the soul. Let us make as many friends as possible within the circle of our chosen calling, enjoy them while we may and then cherish their memories forever.

THE MORALITIES OF HORTICULTURE.

That horticulture is elevating in its tendencies there is no doubt. The character of those engaged in it is abundant evidence of the truth of the statement. Without any desire to be egotistical or to give undue praise to the horticultural fraternity, it seems in place to repeat the expressed opinion of those entirely unbiased. As the meeting of the American Pomological society was held at the Jamestown Exposition last September, there was a headquarters established by me at a certain hotel. Before the meeting had adjourned the proprietor, with whom I was well acquainted, spoke to me in the highest terms of appreciation of the visitors I had brought to his place. He said he "had entertained many people but none like the fruit men and their families." I replied that he was not the first hotel proprietor who had observed the fact and that they would compare favorably with any body of clergymen to be found in America, for moral character and general good behavior, and I fully believe this to be true.

OUR DUTY TO THE SOCIETIES.

The horticultural societies of America are among the best in the world and we should not only feel proud of it, but each one should strive to maintain their usefulness and dignity, and at the same time avail ourselves of their benefits, which are almost without cost and yet of priceless value. Whether we can always attend the meetings or not we can read their reports, and can lend them to others and thereby benefit them as well; and perchance, induce them to become members and thus extend the good work.

Answers to Inquiries.

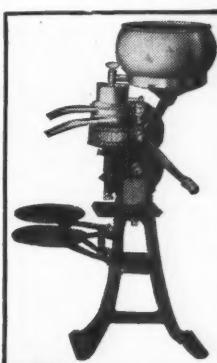
Reply to J. J. Gee, Michigan: I feel quite certain that the unproductive Baldwin apple trees would be benefited by underdraining the soil. The fact that they are all in one section of the orchard, and that it is the wet section is good evidence on this point. I would surely put in good drains at once, and preferably of tiles. The size should be about 4 inches, inside diameter. The depth should be about 3 feet. The distance apart for the drains should be equal to that of the tree rows, that is, a drain in each space between the rows. The roots of the trees are likely to be somewhat troublesome by growing into the tiles, but this can be prevented almost entirely, so I have been told, by laying over each joint between the tiles one or more thicknesses of heavy tarred building paper. This poisons the tender rootlets and prevents them from going any further.

I have noticed recently that the former very high prices for fruit in Oregon and Washington have been exceeded this year by some of the growers in these states. It is stated that one carload of Comice pears netted Mr. J. W. Perkins of Medford, Oregon, in the New York market \$4,558, and another grower there, Mr. C. H. Lewis, got \$4,662.80 for a carload of the same variety. I also read that the best grade of Hood River apples brought \$3.50 per 50 pounds box at the railway station there, and that nearly as much was realized for apples by the Yakima and Wenatchee valley fruit growers in Washington. Are these statements true? If so, why is it that those western fruit growers can get so much larger prices than we of the east? What are we coming to anyhow?—M. B. B., of New York.

Reply: There is no doubt whatever about the truth of the above statements and one who would visit the regions mentioned and see the orchards and the fruit produced would not wonder much at the prices received. I was in all these places and carefully examined into the conditions two years ago. I visited the orchard of Mr. Perkins and also that of Mr. Lewis in the Rogue River valley and talked with the owners. Their pear orchards are models of neatness and thrift, being on good land and cared for in the most thorough manner. They were pruned, sprayed and tilled to a finish and the fruit thinned so as to produce nearly all large specimens and then sorted and packed with the same care, and in "half boxes," or those containing only 20 pounds of fruit. These make fancy packages that sell for from \$3.75 upwards. This same region produces very fine apples and other fruits, as I know by what I saw there and judged at the Lewis & Clark Exposition in 1905.

In the Hood River valley I saw some of the best orcharding that I have ever seen by the privilege to see elsewhere. Noth-

Continued on Page Eight.



NEW 1908 DE LAVAL CREAM SEPARATORS

January 1, 1908, marks another great move forward in the development of the Cream Separator—the introduction of a complete new line of DE LAVAL Farm and Dairy Sizes of machines, ranging in separating capacity from 135 lbs. to 1350 lbs. of milk per hour.

As nearly perfect as the DE LAVAL machines have been before, they are now still further improved in practically every detail of construction and efficiency, and every feature reflects the past two years of experiment and test by the De Laval engineers and experts throughout the world.

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POULTRY DEPARTMENT



PURE WILD GOBBLER BRED IN CONFINEMENT.

Poultry Notes.

A good insecticide can be made by putting a pint of kerosene in a gallon of whitewash.

One good breed of chickens on a farm is worth more than ten different breeds.

When mud and slush cover the chicken lots and pens great care must be taken to avoid rheumatism among the fowls. A little straw thrown on the floor and over the yards may hinder serious trouble in the flock.

Pulverized charcoal should be set where the fowls can partake of it when desired. Besides brightening the plumage it is a conditioner that has few equals.

Unless checked in time chicken lice will multiply with almost incredible rapidity. A hundred will increase to a million if not eradicated before they get a good start.

Learn to profit by your mistakes. If you made a mistake last year try not to repeat it. Success in the poultry business is largely due to avoiding past mistakes and the mistakes of others.

A spoonful of kerosene should always be kept in the drinking water at this time of the year. Many diseases are held in check in this way. The fowl gets a little of the oil every time it takes a drink.

The chicken crop is considered by the average poultry raiser as a small issue, hardly worthy of consideration or deserving of thoughtful attention, and, true to the law of compensation, fowls under such management yield no more profits than is commensurate with what has been accorded them.

In speaking of the droppings as an indicator of the health of the flock, the droppings should be of consistency to hold their shape, but should not be solid. In color they should be dark tapering off into grayish and white. If the droppings are dark with red splashes of mucus in them feed less meat. If the droppings are soft or pasty and yellowish or brownish, feed more meat and less starchy food. In case of greenish, watery diarrhea you should investigate the sanitary conditions and the water supply.—Florida "Poultry and Agricultural Journal."

Fowl Tips.

If it is true that cross-breeding of guinea hens and parrots has produced a talking hen in wonderful California, it is well.

The fowl tip is worth a little contemplation. The fruitful hen, instead of cackling around in the unintelligible manner of hens, will proceed from the nest to the kitchen door and announce the exact whereabouts of the fresh egg, thereby saving the weary housewife many steps. The insomniac rooster, instead of crowing his fool head off in unmusical intonation of the propinquity of dawn, will simply call the hour in the dignified and undisturbing manner of the cuckoo clock. The plump pullet which has fallen into evil hands at midnight will not cry out in a way to leave the farmer in doubt whether she is attacked by weasel or taken by man, but will specify "Thieves!" or "Weasels!" according to the nature of her affliction, enabling the farmer to know whether to undertake her rescue with a gun or only a stout club. The maternal hen with the ranging brood will not rattle her chicks on discovery of peril by screeching and beating her wings against her breast, but will warn

them to the shelter of the gooseberry bush with shrill cries of "Hawk!"

The Composition of Eggs.

If the poultry keeper knows the composition of eggs he will better understand how to feed to furnish the proper food elements needed to produce them. Scientists have found, after many analyses, that eggs contain about 50 per cent. water, 17 per cent. protein and 33 per cent. carbohydrates, says the "Rural World."

There is only about twice as much carbohydrates as protein, while in most grains there are from six to ten times as much. Wheat bran, which is considered very rich in protein, contains more than three times as much carbohydrates as protein. Wheat contains nearly seven times as much; oats, five times; corn, nine times, and barley, eight times. Oil meal, on the other hand, contains nearly as much protein as carbohydrates; gluten meal, one and one-third times as much carbohydrates as protein; cottonseed meal, twice as much; cow's milk nearly as much; dried blood, fifty-two times as much; meat meal, nearly thirty times as much.

When it is desired to make a ration of any of the grains for the production of eggs, it can be seen that it is necessary to mix with any of them some of the concentrated feeds, which contain a great deal of protein. Thus, if wheat is fed, meat meal should be taken into the ration. If corn is made the bulk of the grain ration, a liberal amount of dried blood should also be fed. Since water makes up a half of the composition of eggs, it is essential that the laying hens have an abundance of clean water at all times of the day.

The proper mode of giving salt is to season the soft food.

The falling off of a rooster's comb indicates that he is in bad health.

The nests must be cleaned regularly in order to keep them free from vermin.

Fowls should not be confined any more than is necessary, unless they are being fattened.

Inbreeding and loss of condition are frequent causes of infertile eggs and weak, sickly chickens.

While quality is not indicated by the color of the skin and legs, yet as a rule, buyers prefer the yellow.

Charles A. Green, Rochester, N. Y.: Am in receipt of dishes and wish to thank you for same, as they are perfectly satisfactory.—Mrs. A. L. Rodgers, Frankfort, Ky.



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profits are greatest for the man who markets his chickens early. Do not be satisfied with old, easy going methods. Get the best equipment—produce the best and make the most money. Write for our new book "Incubator Why?" telling why our machines turn 90 per cent of the eggs into chickens and why we can do better for you on prices. Please say whether interested in beginning or outfit for large machines. GEORGE ERTEL CO., Quincy, Ill.

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When the editor of Green's Fruit Grower was a child, he with his companions would go to the great grain barns and bring to the house each day as many or more eggs than the above basket contains. This photograph was taken by our friend, Mr. W. C. Ellison, of the Poultry department of the International Stock Food Co., of Minneapolis, Minn., who is an expert with the camera.

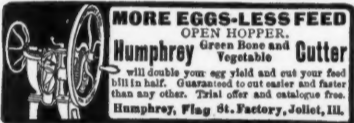
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and Almanac for 1908 contains 220 pages, with many fine colored plates of fowls true to life. It tells all about chickens, their care, diseases and remedies. All about incubators and how to operate them. All about poultry houses and how to build them. It's really an encyclopedia of chickenhood. You need it. Price only 10c. **C. SHOEMAKER, Box 1928, FREEPORT, ILL.**

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Annual Meeting of Western New York Horticultural Society.

We have been permitted to get a glimpse of the draft of the programme for the fifty-third annual meeting of the Western New York Horticultural society, to be held in Rochester, N. Y., January 22-23, 1908. The programme will not be mailed till about January 1st, and will present a splendid array of practical talent. Good judgment is exercised in the selection of timely topics for the fruit-grower, among which we noticed a talk on "Field Investigations in Pomology in the United States Department of Agriculture," by Mr. William A. Taylor, pomologist in charge of field investigations. This paper may be illustrated with stereopticon slides. "Small Fruits" will be handled by Mr. W. W. Farmworth, secretary of the Ohio State Horticultural society; and "Planting and Caring for a Peach Orchard," in the hands of Mr. S. H. Fulton, Sleepy Creek, W. Va. This gentleman has had a large and varied experience, both in Western New York and in Michigan; he was also in the employ of the United States Department of Agriculture.

Apple culture will receive due notice. Professor U. P. Hedrick, of the New York Agricultural Experiment station has some valuable data that have not yet been made public, on "Tillage vs. The Sod-Mulch," and Mr. George T. Powell will speak on "Dwarf Apple Trees in Commercial Orchards." These are but a few of the attractive features that will be presented, and an unusually large number of fruit-growers is expected to be present. Those desiring a copy of the completed programme should apply to John Hall, secretary, 204 Granite Building, Rochester, N. Y., who is just entering his eighteenth year of service in that capacity.

Aged Eggs.

Eggs preserved four years in water glass, were recently examined by an expert of the United States agricultural department and found to have an unpleasant taste or smell and the white coagulated in cooking. At this age there is a slight taste like soda and the white is pink in color and very liquid. Eggs kept in water glass about six months tasted and smelled like well-kept eggs a few days old. Changes in preserved eggs take place very gradually and at one year old are hardly noticeable. Out of 384 dozen eggs put up between April and June and sold between October and December, only 5 dozen or 1.3 per cent. were bad, and these were cracked and broken.

Fowls should never be kept in such close quarters that they cannot take sufficient exercise to promote digestion.

Geese and turkeys require plenty of room, and it will hardly pay to keep them unless they can have a good range. Large males bred on small hens are apt to produce long-legged fowls, while small males on large hens give short legs and fine bodies.

The slow feathering fowls are usually the hardest, as the drain on the system occasioned by quick feathering does not weaken them.

The object of caponizing is to improve the quality and increase the quantity of the flesh of fowls. It must be done while the fowls are young however.

Crop-bound fowls can trace their trouble to lack of gravel or sharp, gritty material as well as to fibrous substances, such as potato and apple parings or grass blades.

After a woman is happily married, she is usually willing to admit that she had a good deal to do with the "proposing." A pretty young Atchison married woman confesses that she managed her only proposal in this way: One evening the man she afterward married attempted to kiss her. She drew back, saying: "The only man who can ever kiss me is the man I expect to marry." The young man laughed and said: "Well, Miss Alice, is that a hint?" The girl replied: "Well, that is the only condition under which you can kiss me." The man kissed her, and she began the next day working on her trousseau.—Atchison "Globe."

Thread from the spider's web is lighter and stronger than that which comes from the silk worm. In France, there is a factory devoted to the manufacture of spider thread. The spiders are arranged in dozens before a reel, which withdraws the delicate threads, each spider yielding twenty to forty yards.

Those Dishes.

Mr. Charles A. Green, Rochester, N. Y.—Your dinner set, 31 pieces, reached me in good condition. My wife is more than pleased with them and sends her thanks. Green's Fruit Grower is richly worth the subscription. Thanking you for your generosity, John Waters, Indiana.

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PRICE OF BIRDS OF ALL BREEDS: Cockerels, \$2.00, \$3.00, and \$5.00 each; Pullets, \$2.00, \$2.50 and \$3.00 each; Trios, \$6.00, \$8.00 and \$10.00. We ship no cull birds. The lowest priced birds offered are standard bred, practically as good for breeding purposes as the higher priced birds. The \$5.00 birds offered are the pick from the flock containing the largest percentage of standard points and therefore commanding a higher price since it makes them eligible for show purposes.

PRICE OF EGGS FOR HATCHING FOR ALL BREEDS: From good breeding pens best breeding pens, \$2.00 per 13. While we do not guarantee the fertility of our eggs we are willing to replace all settings from which the purchasers receive less than six chicks, at half the price paid.

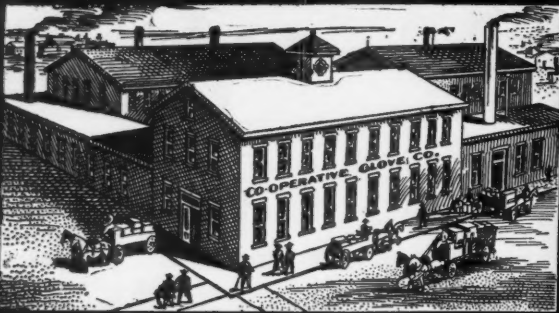
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KITCHEN CABINET

SEND US \$8.93, cut out and return this ad and we will send you this regular \$15.00 highest grade latest pattern kitchen cabinet, by freight, with the understanding and agreement that you will find it the equal of kitchen cabinets that sell everywhere at double our special price, the latest style, most modern, most satisfactory kitchen cabinet ever constructed, and if you are not perfectly satisfied in every particular, you can return it to us at our expense, and we will promptly return your \$8.93, including what you paid for freight, shipping weight, 205 pounds, but the freight charges are very little; almost nothing compared to what you will save in price. This beautiful, highest grade cabinet is made of specially selected hardwood in natural white maple color, thoroughly air seasoned and kiln dried; 60 inches high, base 25x48 inches. It has a large dustproof flour bin holding 50 pounds of flour, above which are two drawers for cutlery and a convenient sugar bin, roomy cupboard for pots and pans and two linen drawers above. Fitted with one kneading and one chopping board, finished on both sides, and can be removed and placed on the top for convenience in using. Cupboards with the drawers affording ample space for dishes, spice cans, coffee and tea canisters and a variety of packages and commodities within easy reach of the busy housewife.

THE FINISH of this Kitchen Cabinet is a light natural white maple color, and smooth and given several varnish coatings, which brings out the beautiful natural grain of the wood and has an appearance of purity and cleanliness. The doors, drawers and bins are perfect fitting. All the drawers and bins can be easily taken out for cleaning and airing. It is one of the finest Kitchen Cabinets ever made and the price is about manufacturer's cost. We are the largest makers and we sell **KITCHEN CABINETS FOR \$2.95 AND UP.** distributors of kitchen cabinets in the world, and as a special bargain, to show everyone the marvelous values we offer throughout our entire line of kitchen cabinets and other furniture, we select this, the best value in our entire line, and offer it at an especially low price, \$5.93, way below any kind of competition, and urge you to place your order immediately while our special prices hold good. We have 1,500 of these cabinets to offer at this special price to advertise this department. After these are sold we cannot guarantee the price, so you must order at once. In our special free Furniture Catalogue we show pictures and descriptions of our entire line of cabinets at \$2.95 and upward, as well as a most complete line of furniture of every description. If you don't order this cabinet immediately, don't fail to write us a letter or a postal and say, "Send me your new Furniture Catalogue and all your latest offers," and see what you get. A most wonderful variety of new furniture at the lowest prices ever known. We own and control furniture factories all over the country, North, South, East and West, and can make shipment promptly and from a point near you, so the freight charges will be very low; almost nothing at all. Don't fail to write at once for our new Furniture Catalogue and learn our new furniture offers, prices, terms, privileges, conditions most favorable ever offered, better than anything you have ever received. Address, **SEARS, ROEBUCK & CO., CHICAGO**

You Can Own A Factory Like This



**WE START
YOU
In A Business Of
YOUR OWN
Right In Your Home Town**

We will start you in the canvas glove business, show you how to create it, nurse it, develop it into a hale, hearty business, to win its trade, establish its prestige, make its product, sell its goods and bring its profit to you, and last, but not least, make one dollar grow rapidly into two.

Never before in the history of business has help like this been offered to ambitious men.

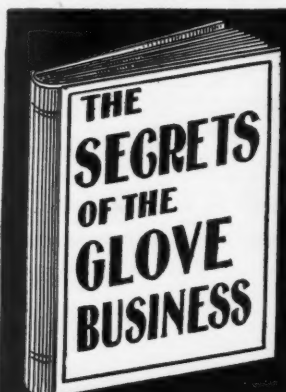
Never before in the strong battle for business, or in the struggle for existence, have men grown rich with so little effort on their part as those engaged in the glove business. It would seem that money was handed to them while others struggle for barely enough to supply life's necessities. Money-making is not luck, it is taking advantage of opportunities that lead on to fortune. Most people turn their back on opportunity, while others grasp these same opportunities and grow rich. No one ever accumulated a large sum of money doing things for others.

Here is brought to your home and placed in your very hands the accumulated wisdom, the priceless experience and proven plans of the glove business. Here is spread before you the vivid drawings and information, the actual working details needed in the glove business.

We are making you this offer, we want you to start a factory, to become prosperous. We want to show you now this can be done on little capital (from \$30.00 to \$145), with the possibility of making thousands of dollars within a short time.

We do all this for you, start your factory, simply with the understanding that you buy supplies and goods from us so long as our prices are as low or lower than you can get elsewhere.

This is not a speculation in any sense of the word. It is a sound, permanent and highly profitable business. The money to be invested is spent entirely for the necessities of the business; there is no waste material, no dead stock—every yard of cloth can be turned back into cash at a moment's notice.



This valuable book contains a great deal of information about the secrets of the glove business and how any one with a capital of from \$30 to \$145 can easily make money fast, right from the start. Send for it today.

WE WILL SEND FULL INFORMATION

about the business and how we will assist you to successfully start a factory. If you would like this information it will cost you only one cent (a postal card) to get it.

There is no class of goods for which there has been such an unsatisfying demand as there has been for cloth gloves and mittens.

They are the popular glove for the masses, everybody uses them—the farmer, the mechanic, doctor, lawyer and the merchant in all sections of the country, from Maine to California, from the Gulf to the Lakes. No matter what section of the country you are in, there is always a home demand for these goods. No matter how small or large your town, if two or more people can be secured for the work, there is room for a factory. Any merchant can make the gloves he sells himself and soon be making for other stores.

We want to prove to you that everybody in the Glove Business is successful and builds up a large business without exception. Everybody who has had the nerve to start gets along well and all have factories in two or three years.

H. E. Clingman is worth \$5,000 in 3 years and started with \$35 borrowed money, and remember, he has had a good living for his family of five children besides.

H. A. Tillmeyer started one year ago and has now about \$800 saved, besides supporting his family of six.

Y. T. Amory built a new factory worth \$5,000 and has a large stock; been in business 2 years 9 months, started with \$1,000.

Mrs. C. H. Brenner started in 3 years ago, was originally a dressmaker, and by working her two girls has saved \$1,800 above expenses of keeping up a family.

We Expect to Start Only a Limited Number of These Factories

One can be started in any spare room at home or small store room and be enlarged as the business requires.

This is not a get-rich-quick or catch-penny scheme, but is simply an opportunity to go into the manufacturing business, which, with a reasonable amount of work and attention to business, will make a man or woman a prosperous factory owner in a short time.

We Can Give You a Start where you can make ten, fifteen or twenty thousand dollars a year and not blister your hands with a pickax either.

We expect to start only a limited number of these factories, protect their interests and give them our valuable assistance. We hope to make our profit from the cloth we sell, and if our prices are not as low or lower than others, we do not even ask you to buy from us.

By this arrangement we will get a small profit and a few people will get a start in a manufacturing business that in time should be a huge manufacturing plant employing many people.

The two brothers of The McCreery Manufacturing Company started only a few years ago absolutely broke, actually borrowed \$100 to start with. At first only had two girls working and have risen to be worth thousands of dollars, do an enormous business, own their own large factory and have extensive interests in others, all in a remarkably short time. If a factory will do this for us, it will do the same for you. First come, first served. Fill in the coupon right now.

THE MCCREERY MANUFACTURING CO.
706 Dorr Street, Toledo, Ohio

CUT THIS OUT AND MAIL TODAY

THE MCCREERY MANUFACTURING CO.,
706 Dorr Street, Toledo, Ohio.

Gentlemen: Please send me without cost a copy of your book and full information about starting in the glove business. If I decide to accept your offer I can invest \$20 or more if necessary.

Name.....

Address.....

ing done in the orange and lemon orchards of California exceeds it in thoroughness. About all the growers belong to a local association and according to its rules skilled workmen sort and pack all the fruit. No one is allowed to do this on the farm, but bring it to a central packing house, where entirely disinterested hands perform this critical work. If poor fruit is brought in it goes into the culls and not into boxes to go to market branded deceitfully, as most of the eastern fruit is, I am ashamed to say. The Hood River label is a positive guarantee of high quality.

In the Wenatchee and Yakima valleys of Washington they can and do grow some of the handsomest and best fruit in America, and I think just as good as that of Hood River. The same is true of western British Columbia. But these regions have not yet reached the high status in the markets that Hood River enjoys, and largely because of inferior organization and packing. But they are fast gaining in these respects. I saw this winter in our fancy market in Washington, D. C., apples from Wenatchee that were selling at fabulous prices, having cost the retailers \$4.25 per 50 pound box, the same as \$12.75 per barrel. They were Newtown, Delicious, Spitzenberg and Jonathan, which are varieties of the highest quality and most beautiful in appearance.

"What are we coming to?" The eastern growers are coming to defeat in the markets of the world unless they reform. They must produce better grades, pack them well and quit cheating the dealers and consumers. Not that the dealers do not cheat as well, but the original packer

is usually the original sinner as well. There is splendid fruit grown in the east, in some places and under good care, but it is not properly placed on the market, except now and then, and where it is so done good prices may be obtained. But the whole east lies under the ban, by reason of years of careless production and dishonest grading and packing. I judged apples from Virginia at the Jamestown Exposition this year that would have brought as big prices had they gone through the Hood River packing house as if they had been grown in Oregon.

Should we plant the Japanese and other plums with a view to getting profit from them in the eastern states? If so, what varieties are the best?—A. L. B., of Ohio.

Reply: There is no doubt about plum culture being far more profitable on the Pacific slope than east of it. However, there are some varieties of the European type that will succeed in some of the northeastern sections but not over the country at large, and the Japanese and American types will succeed almost anywhere that ordinary orchard fruits of any kind are successful. The curculio is the main enemy of the plum and it is far worse upon the varieties of the European type or species, *prunus domestica*, than upon the others.

Of this latter species the Lombard is one of the varieties most commonly grown. It is not a large plum nor quite so rich in flavor as some others, but is beautifully colored, being a delicate, reddish purple and the tree is very productive. It ripens early.

Bradshaw is another good plum and is one of the largest grown. Its color is a lively purple and very attractive. In quality it is excellent, being sweet and very pleasant to the taste, either fresh or cooked.

Shippers' Pride is one of the blue plums and of very good size. It is of good quality, and the tree bears well. Gueli is very similar to it, but later in ripening. Grand Duke is much the same, but larger and still later.

Thanksgiving is a new plum of medium size and blue color that much resembles the German Prune, but it ripens later than that variety and keeps remarkably well after it is gathered. I think well of it from what I have seen of specimens for several years past.

Of the Japanese there are many good varieties and nearly all of them succeed over the general fruit region. Abundance is the earliest variety that is really of good quality and large size. It is dull purplish externally when fully ripe. The tree bears enormously and is very upright in habit.

Chabot is of about the same size but more brilliantly colored, being yellowish red or scarlet and has a most attractive appearance. The quality is very good. The tree is very productive.

Burbank is later than either of the foregoing and of about the same size, which is from 1 to 1-2 inches diameter. The color is reddish purple over a yellow ground and very beautiful. The tree is remarkably spreading, almost drooping in habit and enormously productive.

Of the native or American type of plums there are several species and very many varieties. The Wild Goose is one

of the first introduced and is best known and best suited to the central and southern states, for it is not hardy enough for the more northern sections. It is reasonably large, brilliant red and well flavored, although when cooked it is very sour. The flowers are partially self-sterile and need pollinating by some other variety.

Wyant is one of the very hardy type and will endure the severest winters of Minnesota and other extremely cold regions. The fruit is of fair size, red color and good flavor. Brittlewood is another of similar character, except that it is richer in flavor.

H. E. Clingman.

Barren Plum Trees.

On page 857 R. E. B. says he has trouble with plums which do not bear. I have had much trouble with them because I made my land too rich and kept it cultivated until one summer a growthy young tree blew over in July, and I cut nearly all the new growth off and set up the tree, says "Rural New Yorker." The next year it was full of plums, and since that time I have cut them back severely in midsummer if they were making too strong a wood growth, and get the desired result. About 30 years ago I went to a house in the woods in Kent Co., Del., for a drink of water. I think the house was one-story and stood on a sandy knoll. The clearing did not contain more than an acre, there were apple, peach and plum trees (not Japans), and every tree had a lot of crotches under it to help hold the load of fruit. The land was very poor, the tree medium size and loaded. I considered the situation, for we, 30 miles north, on much richer soil, could not get either plums or peaches to bear fruit but always got great wood growth. After these 30 years I am still working on the problem, but have concluded that the old darkey put his wood ashes around his fruit trees and had no other manure, so did not waste any of them. Why do the strawberry men and some others continue to tell us to use lots of barnyard manure for fruit? The advice is misleading in the extreme, and I have lost money enough trying to follow their advice to know. I can grow the biggest leaves of any man around, but I want fruit.—A. E. R., Del.

How a Tree Grows.

Both earth and air are required for the growth of a plant or tree. The roots absorb moisture from the soil, which, in the form of a watery fluid, called common sap, rises through the fibers of the last deposited annual ring, traversing all the branches and leaf stalks until it reaches the leaves; there it undergoes a change by the absorption of carbonic acid from the air. It then travels downward again in the form of proper sap, just underneath the bark, which is expanded by the accession of moisture and in the cavity so formed a new layer of material is deposited which gradually hardens and forms a new annual ring. And so, from absorbing the moisture and minerals of the soil and the carbonic acid of the air the tree goes on until it finishes its cycle and dies.—New York American.

"Health is the greatest of gifts; contentedness, the best riches."

BOTH GAINED

Man and Wife Fatten on Grape-Nuts.

The notion that meat is necessary for real strength and the foundation of solid flesh is now no longer as prevalent as formerly.

Excessive meat eaters are usually sluggish a part of the time because they are not able to fully digest their food, and the undigested portion is changed into what is practically a kind of poison that acts upon the blood and nerves, thus getting all through the system.

"I was a heavy meat eater," writes an Ills. man, "and up to two years ago, was in very poor health. I suffered with indigestion so that I only weighed 95 pounds.

"Then I heard about Grape-Nuts and decided to try it. My wife laughed at me at first but when I gained to 125 pounds and felt so fine, she thought she would eat Grape-Nuts too.

"Now she is fat and well and has gained 40 pounds. We never have indigestion any more and seldom feel the desire for meat. A neighbor of ours, 68 years old, was troubled with indigestion for years; was a heavy meat eater, and now since he has been eating Grape-Nuts regularly, he says he is well and never has indigestion. I could name a lot of persons who have really been cured of indigestion by changing from a heavy meat diet to Grape-Nuts."

"There's a Reason." Name given by Postum Co., Battle Creek, Mich.

Read the little book, "The Road to Wellville" in pkgs.

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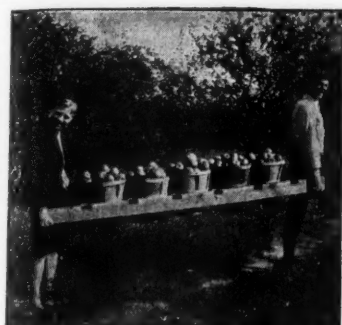
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ON THE WAY HOME FROM THE ORCHARD.

This attractive photograph of boys having a good time in the apple orchard, was sent us by a subscriber of Green's Fruit Grower whose name and address is lost, therefore we cannot give the credit we desire for the skill shown. It is not so easy to get a good photograph, like the above, as many people suppose. But consider for a moment how pleasant it is for the children to have an abundance of fruit of the various kinds about the home. The orchard, the berryfield or vineyard are attractive places for every member of the family but particularly for the children. How well the editor of Green's Fruit Grower remembers the happy days spent in the old orchard on the homestead farm 12 miles south of Rochester, where he was born and spent the early years of his life.

This Tree Owns Itself.

The only tree in the world possessing a deed to itself is one of the interesting and historic relics of Athens in Georgia. This magnificent oak stands in Cobham, the fashionable residential district of Athens, and it is ranked above the common trees of the world.

It stands straighter and holds its head more proudly than the trees around it, seeming to realize that it is a property holder and cannot be touched against its will, that is if the conditions of the deed are carried out.

The tree is tall and symmetrical, its great limbs are shaped as if by the hands of an artist, and under its shade several generations have sheltered themselves from the heat or disported playfully in frolic and amusement, while lovers have found it an inviting spot to enjoy their moonlight strolls.

In manhood Col. Jackson saw his favorite tree standing in its magnificent proportions, and he was pained to think that after his death it might fall into the hands of those who might destroy it. Believing that the only way to save the tree from the axe of the woodsman was to deed it to itself, he sought legal advice and ascertained that such a deed would be binding and would prove a safeguard against its destruction.—"History."

Tramps.—The Pennsylvania Railroad company figures that tramps cost the railroads of the country \$25,000,000 a year in accidents and losses of various kinds. It demands that tramps be severely dealt with when caught stealing rides or otherwise trespassing on the railroads. The demand is reasonable. Let the tramp evil be checked if this can be done by severe sentences in the police and justices' courts.

What is the distinction between sacred and secular music? Secular music is for impression, sacred music for expression.

MEMORY IMPROVED

Since Leaving Off Coffee.

Many persons suffer from poor memory who never suspect coffee has any thing to do with it.

The drug—caffeine—in coffee, acts injuriously on the nerves and heart, causing imperfect circulation, too much in the brain at one time, too little in another part. This often causes a dullness which makes a good memory nearly impossible.

"I am nearly 70 years old and did not know that coffee was the cause of the stomach and heart trouble I suffered from for many years, until about four years ago," writes a Kansas woman.

"A kind neighbor induced me to quit coffee and try Postum. I had been suffering severely and was greatly reduced in flesh. After using Postum a little while I found myself improving; my heart beats became regular and now I seldom ever notice any symptoms of my old stomach trouble at all. My nerves are steady and my memory decidedly better than while I was using coffee.

"I like the taste of Postum fully as well as coffee. My sister told me two years ago that she did not like it, but when I showed her how to make it according to directions, she thought it was delicious.

"It is best to pour cold water over your Postum, let it come to a boil, then boil 15 minutes. That brings out the flavor and full food value."

"There's a Reason." Name given by Postum Co., Battle Creek, Mich. Get the booklet "The Road to Wellville," in pkgs.

My Experience Growing Currants.

Written for Green's Fruit Grower.

My experience, which extends over many years, teaches that the currant should be cultivated very early in the spring. The currant begins growth in the spring earlier than any other fruit unless it be the gooseberry. Therefore just as soon as the ground is dry enough to be cultivated, start the cultivator and with the hoe clear out all grass and weeds, if possible before the leaves appear. As the leaves appear so soon after the buds open, if cultivation and hoeing are deferred until the foliage and blossoms appear, much injury will be done to the blossoms. Rely upon my advice to cultivate your currant bushes very early in the spring.

The currant is a gross feeder, therefore make the soil fertile by applying manure. The currant needs an abundance of water to develop a large crop. In order to test its need of water, experiment with a single bush in your garden. Bury an old broken jar or pail eighteen inches from the base of the plant to the level of the soil and fill this plant with water, allowing the water to leak through a nail hole in the bottom and you will see currants upon your bushes that will astonish you with their size.

In the city of Brussels, Belgium, I saw currants as large as cherries. These currants were produced by irrigation, and careful cultivation and thorough enrichment of the soil. This has led me to believe that the possibilities of currant growing are but faintly understood in this country. Those who have the means on hand for irrigation, as they have in many portions of the west, should plant currants and watch the results. My opinion is that the currant would prove one of the most profitable plants under irrigation.

I have tried shipping my plants in four-pound and ten-pound baskets to commission houses, but have abandoned the shipment of any fruit to commission houses where it is possible. My experience with commission houses is not favorable, and many times I have found that after paying express charges and commissions I could have done better by selling the fruit from my own wagon near home to neighboring families or to the canning houses.—J. B.

Artificial Limbs for Animals.—Walking along a country lane at Stanstead Abbots, Hertfordshire, a correspondent met a large sheep dog with a wooden leg. The animal was apparently suffering no inconvenience. Accompanying the dog were two ladies and they explained that the animal, whose name is Bobs, met with an accident about four years ago, and it became necessary to amputate the leg.

"This is not the first artificial limb that we have made for dumb animals by any means," said the manager of the Smithfield farm yesterday. "Only the other day we made a wooden foreleg for the dog of a well known London journalist and just before that a wooden hindleg for a celebrated Alderney cow."

"Not a week passes without a pet dog or cat being brought to us for the insertion of a glass eye, and for a time we had in our care a racehorse belonging to Mr. McCalmont, which, having put its shoulder out of joint, had to live for a time with the limb in a plaster cast until the tissues had regained their normal strength and the animal could walk without artificial aid."—London "Daily Mail."

Nature Faking in Vermont.—I have a mare about fifteen years old who has the run of a stable with two stalls and a yard connected; also hens have the run of the same yard.

One of the stalls is used for storing sawdust and bedding. It was found that an ambitious hen was laying eggs in the storage stall, but he could not secure the eggs, as the mare was on hand first and would climb over the bedding and eat the eggs.

One day she was in the yard some distance from the stable door. In the meantime the hen had taken possession of the nest, laid an egg and came off with the usual amount of cackle to announce the fact, the rooster joining in the chorus. As soon as the mare heard the cackle she started on a trot for the stable, and before any one could get there she had secured the egg and was eating it. By experience she had learned what the cackle meant.—Woodstock "Spirit of the Age."

Spanish Maxims.—"Women and mules obey better when caressed than when coerced."

"Man is tow, woman is fire and the devil blows the bellows."

"The tears of women are worth much, though they cost little."

"The fox is cunning, but the woman who loves knows far more than he."



in the fertilizer in generous quantities makes heavy yields of clean and sound vegetables and fruits.

Strong and lusty plants resist the attacks of insects and germ pests.

Plenty of Potash in the fertilizer assures the best crops.

Our Book, "Potash in Agriculture," is free to farmers. May we send it to you? Address

GERMAN KALI WORKS, 93 Nassau Street, New York
Atlanta: 1224 Candler Building Chicago: Monadnock Building

Please mention Green's Fruit Grower.



Marlin

A 6 1/2 lb. field gun, light, strong, hard hitting, true, that's the Marlin Model 16 Repeating Shotgun, the best 16 gauge repeating gun ever manufactured. For quail and pheasant shooting, woodcock, squirrels, rabbits and other field game you'll find the Marlin Model 16 without a peer. Equipped, like the famous Marlin Model 19, with the Marlin solid top, and the Marlin closed-in breech bolt, which shuts out the sand, rain, dust and snow from the action, having the Marlin side ejection and the beautiful Marlin balance, this gun is a standard in construction, assembling and quick response to the touch of the trigger. Have your dealer show it.

There's a full description of all Marlin repeaters, rifles and shot-guns, and lots of valuable information for all gun-lovers in the "Marlin Book" just issued. 136 pages with a handsome art cover. It's FREE for 3 stamps postage.

The Marlin Firearms Co.,
39 Willow St., New Haven, Conn.



Make Your Farm Wagon Ride Easier and Last Longer

It doesn't take 30 seconds to slip a pair of Harvey Bolster Springs under your wagon-bed and forever end the continual bumping and wear and tear which soon puts any wagon out of business. You can save many a dollar by marketing your potatoes, eggs, fruit, etc., in a wagon that doesn't jam, break and bruise them, for it is a well-known fact that truck-buyers pay 1/4 to 1/2 less for fruits and vegetables which are marketed in a wagon without springs. With Harvey Springs on your wagon you can bring home furniture, glassware, etc., without getting it scratched or smashed to pieces. Why not save money and at the same time ride easily and comfortably on long-lasting Harvey Springs? HARVEY BOLSTER SPRINGS are scientifically made, leaf by leaf, from the very best tempered steel. We positively guarantee every pair to give satisfaction in every way. TRY THEM AT OUR RISK! We want you to use Harvey Springs on your wagon FREE for 30 days to find out for yourself that they're everything we claim—just as good as we tell you they are. This trial won't cost you a penny. Drop us a postal, giving weight of your heaviest load and your dealer's name, and we'll send you our catalogue and arrange with him to give you a set on 30 Days' Free Trial. Be sure to write TODAY—before you lay down this paper. Harvey Spring Co., 548 17th St., Racine, Wisconsin

NEW SUBSCRIBERS' OFFER

The publishers of the AMERICAN CULTIVATOR are enabled to make the following liberal offer to all new subscribers to the AMERICAN CULTIVATOR during the month of January who send their remittance direct to this office, viz:

WOMAN'S HOME COMPANION, Separately - \$1.00
AMERICAN CULTIVATOR (77th Year) Separately - \$1.00
WOMAN'S HOME COMPANION and AMERICAN CULTIVATOR Combined - \$1.05

To prospective readers who subscribe in January, the WOMAN'S HOME COMPANION and AMERICAN CULTIVATOR will be sent FREE from the time their subscription reaches this office until February 1, 1908, in addition to a full year's subscription from that date.

Remember! This great offer is made only to NEW SUBSCRIBERS, and all orders must be sent direct to the publishers of the

AMERICAN CULTIVATOR,
62 Summer Street, Boston, Mass.



RHODES DOUBLE CUT PRUNING SHEAR

Pat'd June 2, 1903.

RHODES MFG. CO.,
GRAND RAPIDS, MICH.

THE only pruner made that cuts from both sides of the limb and does not bruise the bark. Made in all styles and sizes. We pay Express charges on all orders. Write for circular and prices.

Some Up-to-Date Fashions.

For the convenience of the ladies in the homes of our subscribers we have made arrangements with one of the largest and most responsible manufacturers of patterns to offer some of their reliable patterns at the nominal price of 10c each. We have tested these patterns and take pleasure in recommending them to our readers.

5811—The quantity of material required for the medium size is 4 1-8 yards 21, 3 5-8 yards 27 or 2 1-8 yards 44 inches wide.



5811 Blouse or Shirt
Waist, 32 to 42 bust.



5818 Over Blouse or
Jumper, 32 to 40 bust

5818—The quantity of material required for the medium size is 2 1-2 yards 21 or 27 or 1 1-4 yards 44 inches wide with 3-4 yard of taffeta for the collar and bands and 4 1-2 yards of lace edging.

5815—The quantity of material required for the medium size is 6 1-2 yards 27 or 6 1-4 yards 36 inches wide.



5815 Work Apron
Sleeve and Cap,
Small, Medium,
Large.



5821 Bath Robe,
Small, Medium, Large.

5821—The quantity of material required for the medium size is 6 3-4 yards 27, 5 1-4 yards 36 or 3 3-4 yards 50 inches wide with 5 yards of braid.

5845—The quantity of material required for the medium size, (6 years), is 4 yards 27, 3 1-2 yards 32 or 2 5-8 yards 44 inches wide.



5845 "Buster Brown"
Suit, 2 to 8 years.



5828 Seven Gored
Skirt, 22 to 32 waist.

5828—The quantity of material required for the medium size is 8 3-4 yards 27, 5 yards 44 or 52 inches wide when material has figure or nap; 6 1-2 yards 27, 3 3-8 yards 44 or 3 yards 52 inches wide when it has not.

5820—The quantity of material required for the medium size, (10 years), is 3 5-8 yards 27, 2 7-8 yards 32 or 2 1-8 yards 44 inches wide with 12 1-2 yards of banding; 1 1-2 yards 36 inches wide for gumpie with 5-8 yard of 18 inch material for the yoke and cuffs.



5820 Girl's Dress with
Gumpie, 6 to 12 years.



5826 Girl's Box
Plaited Dress,
6 to 12 years

5826—The quantity of material required for the medium size (10 years), is, for the dress 4 1-4 yards 27, or 32 or 3 yards 44 inches wide with 5-8 yard 27 inches wide and 6 1-2 yards of braid for trimming; for the gumpie 1 1-8 yards 36 inches wide with 1-2 yard 18 inches wide for the yoke.

To get BUST measure put the tape measure ALL of the way around the body, over the dress close under the arms.

Order patterns by numbers, and give size in inches. Send all orders to GREEN'S FRUIT GROWER, Rochester, N. Y.

Cements for Household Use.

For Wall Cracks.—Stir whiting into a mixture of equal parts of water and silicate of soda until of consistency to spread. Apply with a knife, let harden fifteen minutes, and smooth off.

For Kettle Cracks.—Will resist the action of fire and water. Stir litharge into glycerine until of the consistency of putty. Let dry twenty-four hours.

Cement.—Not affected by coal oil. Boil together one part caustic soda, three parts rosin, five parts water. Stir in half the weight of plaster of Paris. Will harden in about forty minutes.

Diamond Cement.—This will keep, if bottled and tightly corked, and is strong and nearly colorless. Into a bright tin basin put half-pound of white glue and a pint of soft water; set over the fire in a dish of boiling water. When dissolved and well mixed, stir in two ounces white lead, boil and mix; when cold, add two gills of alcohol.

To Live Cheaply.

How to live cheaply is a question easy enough to answer if one will be content with a cheap living, says "Domestic Magazine." Substitute comfort for show. Put convenience in the place of fashion. Study simplicity. Refuse to be beguiled into a style of living above what is required by your resources. Set a fashion of simplicity, neatness, prudence and inexpensiveness, which others will be glad to follow, and thank you for introducing.

Infuse dignity, sincerity, kindness, virtue and love into your simple and inexpensive home and its members will never miss the costly fripperies and showy adornments, and they will be happier in the cozy and comfortable apartments than most of their wealthy neighbors are in their splendid establishments. It does not follow that in order to live cheaply one must live meanly. The best comforts of life are not costly. Taste, refinement, good cheer, wit and even elegance are not expensive.

Whitewash.—What is known as the Government whitewash, and is considered the best that can be made, is made as follows: Take one-half bushel of nice unslaked lime, slake it with boiling water, cover it during the process to keep in the steam. Strain the liquid through a fine sieve or strainer, and add to it one peck of salt, previously well dissolved in warm water; three pounds of ground rice boiled to a thin paste and stirred in boiling hot; one-half pound Spanish whiting and a pound of clean glue which has been previously dissolved by soaking it well and then hanging it over a slow fire in a small kettle within a large one filled with water. Add five gallons hot water to the mixture, stir well and let it stand a few days covered from the dirt.

It should be put in right hot. For this purpose it can be kept in a kettle on a portable furnace. About a pint of this mixture, if properly applied, will cover a square yard on the outside of a house. Brushes more or less small should be used, according to the neatness of the job required. It answers as well as oil paint for wood, brick or stone, and is cheaper. It retains its brilliancy for many years.

There is nothing of the kind that will compare with it, either for inside or outside walls.

Coloring matter may be put in and made of any shade you like. Spanish brown stirred in will make red pink, more or less deep, according to the quantity. A delicate tinge of this is very pretty for inside walls. Finely pulverized common clay, well mixed with Spanish brown, makes a reddish stone color. Yellow ochre stirred in makes yellow wash, but chrome goes further and makes a color generally esteemed prettier. In all these cases the darkness of the shades, of course, is determined by the quantity of coloring used. It is difficult to make rules, because tastes are different. It would be best to try experiments upon a shingle and let it dry.

Green must not be mixed with lime. It destroys the color and the color has an effect upon the whitewash which makes it crack and peel.

"You advertised new-mown hay and lowing-kine," said the city man who was a new arrival at the farmhouse. "Where is the new-mown hay?"

"It's in the lowing kine," said the farmer, looking up from his task of trying to make a calf behave.—Chicago "Journal."

Three generations of
Simpsons have made



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**Simpson-Eddystone
Black & Whites**

The time-tested "Simpson" Prints
made only in Eddystone.

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dued or striking patterns, accord-
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Cloth of the highest quality.

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Please mention Green's Fruit Grower.

6

HARDY FREE BLIZZARD EVERGREENS BELT KIND

To prove that our EVERGREENS are HEALTHY, HARDY and Vigorous, we offer to send SIX fine two-year-old trees, entirely FREE OF CHARGE, to every property owner who will answer this advertisement. Mailing expense 5c., which send or not, as you please. A postal will bring them and our catalogue which contains many COLORED PLATES of our BLIZZARD BELT FRUITS; SPECIAL BARGAINS and a mine of valuable information for fruit growers. We want to become acquainted with you, and it will pay you to get into touch with our HARDY "BLIZZARD BELT" stock and our liberal manner of doing business. THIRTY-EIGHT years' experience in growing HARDY "BLIZZARD BELT" trees. Write to-day.

THE GARDNER NURSERY COMPANY,
Osage, Iowa.

Drawer 11.

FRUIT GROWERS' NECESSITIES

EVERYTHING NEEDED FOR PLANTING, GROWING, HARVESTING AND MARKETING FRUIT.

Sprayers	Slicers	Pruning Knives	Grape Vine	Plows	Weeders
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Fruit Parers	Cider Mills	Budding Knives	Raffia	Seeders	Catalogue Free

Many years experience enables us to make a wise selection from the many makes and to offer our patrons only the very best. By special arrangement with the makers we are able to offer everything needed at very low prices.

Write us to-day about whatever you need and let us quote you a price.

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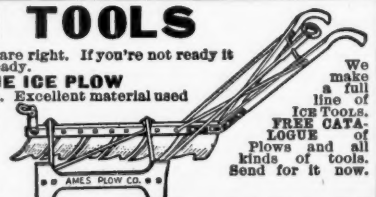
ICE CUTTING TOOLS

You must be ready to cut when conditions are right. If you're not ready it means serious loss. Now is the time to get ready.

A RED, WHITE AND BLUE ICE PLOW

will save you more than its cost the first season. Excellent material used thorough in construction. Has improved clearing tooth and swing guide, made in three sizes, cutting 7 1/2, 9 and 10 1/2 inches deep. Swing Guide on 7 1/2 and 9 inch. Adjustable Guide furnished if desired. They are strong, keen, true, fast cutters. Just what butchers, dairymen, farmers and hotel keepers need.

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We make a full line of ICE TOOLS. FREE CATALOGUE of Plows and all kinds of tools. Send for it now.

THE ROCHESTER LAMP

With Detachable Heater and Cooker
Meets Every Requirement

IT LIGHTS, IT HEATS, IT COOKS

Cost of Light Only Few Cents Weekly

WHEN NOT BEING USED AS A HEATER AND COOKER put on the shade and you have a ROCHESTER LAMP COMPLETE FOR READING. The shade and shade holder costs 75c extra. The Heater and Cooker will warm the air in a cold room to a comfortable degree in a very short time. The cooker is a simple arrangement for light house-keeping or for preparing a quick meal. It is exceedingly valuable for use in a sick room. It will boil the tea kettle, fry a steak or boil an egg in a few minutes.

All who have seen this simple, practical and economical invention are loud in its praises and never fail to tell their friends of its efficiency, and convenience, and others who have seen it at the home of an acquaintance immediately want one. It requires only the same care as a lamp and can be moved from room to room when lighted. Burns twelve hours, using only one quart of oil.

NOTE.—Always keep the lamp well filled with oil, this is the secret of success. The Heater and Cooker is odorless, smokeless and non-explosive, and will sustain a weight of 50 lbs. Height from base to top of Heater and Cooker is 22 inches, and weighs, when packed for shipment, 15 lbs.

OUR OFFER—We will send you this Rochester Heater and Cooker (just like the one shown here) for \$2.75; and we will also advance your PAID subscription to the Fruit Grower (3 years from the date it EXPIRES OR EXPIRED and send you a postal card stating to what date the paper will be paid, as a receipt; and send you the Rochester Heater and Cooker by express (you to pay express charges), for \$2.75. If you wish us to include a shade for the lamp and shade holder add 75c to your order. This will give you a Rochester Heater and Cooker and a Rochester Lamp with shade at a very small price.

Address: GREEN'S FRUIT GROWER CO.,
Rochester, N. Y.



The Heater and Cooker. Size of base, 8 inches.

The Old Fashioned Man.

The old-fashioned man would come in from his work.
At the close of a busy day,
And the old-fashioned wife greeted him
With a kiss,
In the old-fashioned, lovable way.
Then he sat down to supper and poured
Out his tea.
In the saucer and gustily blew
His breath o'er the beverage, to cool it
That way,
A method that now wouldn't do.

Oh, the old-fashioned man, I can see him
To-day,
With his saucer of tea held in air;
On the table his elbows are resting once
More
And the old-fashioned wife's sitting there.
There is love in her eyes as she gazes at
him.
The love-light once more I can see;
And the old-fashioned man sends a smile
To his wife
O'er the brink of his saucer of tea.
He'd bubble the tea with his breath as
he'd blow,
And gurgle it down as he drank;
And yet he was happier far, I declare,
Than the people of station and rank.
For the old-fashioned wife was devoted and
true,
And the old-fashioned man, I will say,
Who drank steaming tea from a saucer at
night,
Also loved in the old-fashioned way.

My Experience at Orcharding.

Written for Green's Fruit Grower.

I attribute my success largely to the superior soil on my farm. It is a loose friable loam that never hardens. I have seen good orchards on clayey soil, soil that breaks up lumpy and cracks after heavy rains if not cultivated, but such heavy soil needs more frequent cultivation. I first planted an apple orchard of twelve acres which has been in bearing for fifteen years, scarcely ever missing a crop. One year the fruit was so scattering it did not seem as though I would have half a crop of apples, but this fruit expanded marvelously and was of superior quality, and to my surprise I sold nearly the ordinary number of barrels from this orchard that I had in more favorable years.

I do not spend much time cultivating this orchard, owing to the loose character of the soil. The soil is always so loose that in walking over the ground your shoes will sink in the soil several inches. As soon as the soil is thoroughly dried out in the spring I plow it five inches deep. The weeds and grass spring up on this plowed ground and in July I turn the grass and weeds under with a second plowing, and this is about all the cultivation I have given my orchard for fifteen years. I know this experience will surprise many orchardists who feel that they must continually cultivate, keeping down every spear of grass or weeds.

My next experience was with a peach orchard of twenty acres, nearly all planted to Elbertas, which has borne now for three years, yielding large and handsome fruit which has sold at good prices. I keep the soil in my peach orchard thoroughly cultivated so no weed or grass is seen there.

Next I planted twenty acres to Bartlett pears, standards, there being no dwarfs among them. The trees were planted twenty feet apart in the row, the rows two rods apart. This is further apart than standard pears are generally planted and gives ample space for the cultivation of ordinary farm crops, such as potatoes, beans, beets and other hoed crops. These Bartlett pear trees have not borne much fruit yet, but they are now of bearing size, and I expect large crops from them during the next few years.

I also grow plums and some other small fruits. My farm is surrounded by nurseries. I am satisfied that my fruit farm is more profitable than the nurseries.

I can recommend fruit growing to any energetic man who is willing to work and to keep fairly well posted, and who realizes that fruit growing requires more exercise of the mental faculties than ordinary farming. I spray my apple orchards from three to four times a year. I would not think of growing apples without spraying with Bordeaux Mixture to which Paris Green has been added.—G. B. C., New York.

Australian Rabbit Pest.

Australia's great pest is the rabbit. Not less than \$5,000,000 a year is being spent by a country of less than 5,000,000 population fighting it. According to a semi-official publication exploiting the state of Victoria alone, and it is the smallest of the Australian mainland states, 18,000 people found employment last year in the rabbit industry and in the year 9,948,050 rabbits were frozen and shipped and 12,000,000 skins exported, to say nothing of the millions poisoned and burned. The record of New South Wales which shipped 11,861,760 frozen rabbits and 15,000,000 skins, and some other states is as startling. And still the descendants of the original six rabbits, taking Australia as a whole, are on the increase.

Scientific Reduction of Sewage.

Strange as it may appear, the little village of Chautauqua, N. Y., on Chautauqua Lake, a summer resort for students, is one of the first to establish a reducing plant for sewage. Chautauqua is not a money-making institution and has no surplus funds in its treasury. Its income in the past has been largely derived from gifts of philanthropic people, and yet this village has expended \$40,000 in its system of reducing sewage to a safe and inoffensive fertilizer.

I visited this reducing plant at Chautauqua recently. It is attended by one man only. Its machinery is propelled by a steam engine and is exceedingly simple. The method is as follows: As the sewage passes through the reducing plant a constant stream of lime water is thrown into the sewage, after which the entire mass passes into a large system of tanks, placed a little above the level of the land adjacent. There are series of four of these brick tanks, and in each tank is a wire screen to prevent any substance other than water to pass through. The water that escapes from the last tank looks just about as pure as the lake water, and is said to be free from germs or pollution.

Later the water is drawn off and the sediment is pumped into a large elevated tank. Here the reduced sewage settles in the form of a fertilizer resembling ground lime or ashes. It is inoffensive and can be handled the same as any fertilizer. The fertilizer contains potash and nitrogen.

Possibly I may not understand all of the details of this reduction plant, but they are practically as above set forth. This, as I understand, is the most successful method of reducing sewage and is similar to the method proposed for Rochester. A plant of this character, large enough for the city of Rochester, would probably cost at least a million dollars.—Charles A. Green.

Professor John Craig on the Apple.—The apple situation, so far as orcharding is concerned in New York, is in a rather peculiar condition just at the present time, says John Craig in "The Apple Specialist." In certain parts of the most noted apple growing sections, San Jose scale is proving a serious enemy, and where it has gotten a hold on large, mature trees, growers are finding more difficulty in protecting the fruit than in saving the life of the tree. Inasmuch as the scale is spreading and will continue to spread steadily in all sections where the peach may be grown, this condition casts a shadow on the future of apple growing. Some people are inclined to be pessimistic and to look upon the apple orchard as a doubtful investment. On the other hand, there are those, (and I belong to that company), who believe that apple orcharding promises as large returns and as safe an investment for labor and capital at the present time as in any period of our history. Apple orcharding will not be easy in the future, but there is no question in my mind that intelligence and labor will receive their reward.

The tendency will be to head trees lower, use fillers, bring them into fruiting earlier, work the orchard harder and, if necessary, plant successively so that in case the old orchard becomes unmanageable in regard to scale, the younger orchards will replace it.

Conditions are changing, but nurserymen and orchardists are adaptive. They will meet the new conditions—they will surmount the difficulties as they have in the past. The apple still continues to be the stable and conservative orchard investment of the northeast.

It takes a deaf mute to express silent contempt.

Money must be tight when a man is shy of loose change.

Why should a tax collector have a high opinion of human nature?

Necessity is the mother of several other children besides invention.

The less you know about some people the longer you will retain their friendship.

Wise is the man who expects the unexpected to happen and is prepared for it.

It's high finance if you win, but it's highway robbery if the other fellow wins.

When a woman declares that she is homely she doesn't expect a man to believe she believes it.

That air castle which a girl builds during her courtship is almost sure to collapse shortly after she faces the parson with the man of her choice.—Chicago "Daily News."

Sing me a song of to-day,
Always a song of cheer,
Fitting if I am glad,
Or, faint with fear.
The world has many a dirge of sadness,
But all too few are its songs of gladness.
—E. A. Lente.

VICTOR Sacred Music

Wouldn't it be fine to sit in your home and hear the Trinity Choir sing "Jesus Lover of My Soul" and "Rock of Ages"; or the Haydn Quartet sing, "Where is My Boy Tonight" and "O That Will Be Glory For Me"; or to listen to the chants and other sacred music by the Gregorian and Sistine Choirs?



That's exactly what you can do with a Victor.

The powerful soul-stirring hymns and the magnificent anthems and oratorios of the masters, sung by noted soloists and famous choirs, are yours whenever you want to hear them.

The Victor plays this music true to the living voice—you have never known the full beauty of sacred songs until you have heard them on the Victor.

The Victor not only enables you to have sacred concerts at home, but puts the best entertainment of every sort at your command. The magnificent voices of the most famous grand-opera stars, the world's greatest bands and famous instrumentalists, the latest song-hits, old-time ballads, side-splitting jokes and comic songs, the liveliest dance music—all this and more you can have with a Victor, and only with a Victor.

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6 TOOLS IN ONE
Seeder, marker, hoe, rake, plow, cultivator, single or double wheel. Adjustments easily made. For planting and all kinds of cultivation. Send for FREE BOOKLET of valuable information for planting and cultivating the garden and full description of these implements.

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Opens furrow, drops in plain right covers seeds.

Double or Single Wheel Hoe
Cultivator, plow, rake. Changes quickly made. Cultivate between the rows. Any depth, any width.

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Rear wheel gives steadiness & ease.

Note High Arch and Plant Guard
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Get Our Free Sample which we send for inspection. Test it for strength, stiffness and rigidity, then look to the Galvanizing. File it and see how thick that is. We want you to satisfy yourself that for you, Brown Fence is the best fence to buy for Horses, Cattle, Sheep, Pigs, Chickens, etc. Our fences are made of extra heavy Steel Wire,—both strand and stay wires No. 9 gauge.

Sells At 15 to 35 Cents Per Rod Delivered—WE PAY FREIGHT

Easy to put up. Bull-proof and Pig-tight. Stands staunch, solid and rigid. Won't sag or bag down. Our prices are less than you would pay for much lighter fences,—fences not half so durable. Write today for sample, and catalog showing 13 styles.

THE BROWN FENCE & WIRE CO., CLEVELAND, OHIO.

The Ideal Gasoline Sprayer

Has 2 1/2 H. P. Four Cycle Engine regulated to run 200 to 800 revolutions. At 360 revolutions it supplies 8 to 10 Vermorel Nozzles under a pressure of 200 lbs. The pump fills its own tank, has mechanical agitators and automatic brush for cleaning strainer. Weight of engine and pump 450 lbs.

Furnished either with or without tank and wagon. Write for prices.

FIELD FORCE PUMP CO., 226 11th St., Elmira, New York.

Fruit Talks With Neighbor Baldwin

HOW TO KEEP FRUIT.

G—What has been your experience in keeping apples over winter?

B—Years ago, like many others, I attempted to keep apples in the house cellar, but never made that method successful. I doubt if any man can keep apples from decaying in his house cellar for a long period.

G—Have you tried cold storage?

B—Yes. For several years I drew my apples as fast as they were picked and barreled to the city cold storage house and paid 50c a barrel for having them stored there through the winter, and up to April or May, when I sold them usually in carload lots. In these cold storage buildings the apples shrunk a little, however. There were also a dozen or two decayed apples in every barrel when they were opened in the spring. Therefore every barrel of apples had to be run over, sorted and repacked before shipping in April or May. Thus my experience with cold storage, while far more successful than storing in house cellars, was not, considering all the expense of handling, etc., entirely satisfactory.

G—What other experience have you had?

B—I have had an idea that underground cellars were not the best for the storage of fruit, owing to the lack of ventilation and the danger of their being too warm, as were house cellars, or cellars made especially for keeping apples. My theory was that a cold storage house should be built entirely above ground.

G—Did you ever carry this theory into practice?

B—Yes. I built an apple storage house above ground, the posts 18 feet high, covering the studding on the outside first with rough unmatched boards, then with building paper, then with matched boards. Then I boarded up and paper lined the inside of the studding in the same manner. The roof was made nearly flat just slanting enough to carry the water off, and was made of three thicknesses of tarred paper over which was poured melted asphalt, and over this coarse gravel was embedded thickly. There were not many windows in this building, but just enough to thoroughly ventilate the same when necessary in connection with the door being thrown open. Frost would enter this building

to some extent in ordinary winters at Rochester, N. Y. During severe freezing when the temperature went below zero the apples might be injured by frost in this cellar were no precautions taken, but a little heating removes any danger from frost during the severe weeks that might occur.

G—Were the apples stored in barrels?

B—Yes, and the barrels were headed and this kept out much of the frost that might otherwise have frozen the apples. If a little frost did enter the barrels it would do no injury. My object has been to keep these apples almost at freezing point.

G—Why did you not line this cold storage house on the inside with other courses of paper and boards, and make it more frost proof?

B—This would be advisable where winters are severe, and might be advisable in any case, but with some attention during the coldest spells I have succeeded in keeping apples in this inexpensive storage house of mine perfectly sound all through the winter. I have seldom found a decayed apple. I have kept even fall apples like Fameuse or Snow until the first of May. I have never used ice or any artificial method of keeping this room cool.

G—Have you made use of this building for storing other fruits than apples?

B—Yes. My cold storage house is used for all fruits which grow, such as strawberries, blackberries, raspberries, grapes, peaches, quinces, cherries, etc., but of course I do not expect to keep perishable fruits in this cold storage any longer than is absolutely necessary. I simply put the strawberries and other like fruit in there every night. Every fruit grower needs some building in which he can drive his wagon, filled with berries or other fruits for the night, where it will be all right to hitch on to in the morning, and I can think of nothing better than the building I have been using for this purpose. When the building is not in use for storing fruit or when there is spare room it may be made available for many purposes. It can be used as a workshop or for storing farm tools, reapers, mowers, plows, cultivators, etc., or a second floor could be put in where the farm tools can be kept and where a work shop can be placed.



THE LARGEST CHERRY TREE IN THE WORLD.

The above photograph sent us by A. G. Gray, of Indiana, has the appearance of being two trees, but in fact it is one tree, the largest cherry tree in the world. As to what variety of fruit this tree may produce we are not told. Consider the amount of cherries which one tree will provide. Consider how attractive this cherry tree is in blossom, in leaf and in fruit and decide whether you will plant a few cherry trees the coming spring. Do not be stingy toward the birds. They will gather a few of these cherries but, they do more good in catching worms and bugs than they do injury.

Sparrow Spreads the Scale.

A communication from the Medina correspondent of the "Union" yesterday told of the efforts made in that vicinity to exterminate the English sparrow, which some people accuse of spreading the San Jose scale in orchards. The plans included poisoning. The article brought the following letter on the subject:

Dear Sir—I was considerably interested in your article of yesterday regarding "Sparrows and San Jose Scale." Why not make a determined effort to destroy that curse to humanity, the English sparrow? The difficulty in doing so is not half as great as people suppose. The sparrow is a bird which never goes far from the habitations of men and absolutely always nests either in a house or barn or on the premises within a few yards. If the legislature would pass a law making it a criminal offense for any person to have a sparrow's nest on their estate, there would be very few sparrows left after two or three years.

Take a handful of wheat and 10 cents worth of strychnine from the drug store, stew them together in a quart of water until the water boils and put the grains on the roof or in the eavestrough. Hens cannot get there, but the sparrows can

and will, too. Next day the place is strewn "promiscuous like" with defunct sparrows.—Hubert Buckley.

Good Manners Code for Boys.

Keep step with anyone you walk with. Hat lifted in saying "Good-bye" or "How do you do?"

Hat lifted when offering a seat in a car, or acknowledging a favor.

Always precede a lady upstairs, and ask her whether you may precede her in passing through a crowd or public place.

Let ladies pass through a door first, standing aside for them.

Let a lady pass first always, unless she asks you to precede her.

Look people straight in the face when speaking or being spoken to.

In the parlor, stand still till every lady in the room is seated, also older people.

Rise if a lady comes in after you are seated, and stand till she takes a seat.

Hat off the moment you enter a street door, and when you step into a private hall or office.

Never play with a knife, fork or spoon.

Use your handkerchief unobtrusively always.

In the dining-room take your seat after ladies and elders.

Rise when the ladies leave the room, and stand till they are out.

Eat as fast or as slowly as the others, and finish the course when they do.

Do not look toward a bed-room door when passing. Always knock at any private room door.

Special rules for the mouth are that all noise in eating and smacking of the lips should be avoided.—Household Realm.

What a multitude of threads make up a fringe; and yet how beautiful and costly when completed! And here is found a beauty of the real Christian life—the highest, truest Christian life. There are not a few who may be willing upon rare and notable occasions to do or suffer some great thing for Christ, but the ten thousand little things of life are entirely beneath their notice, as they also suppose them to be beneath the notice of the Lord.—P. S. Henson.

A single Honduras mahogany tree cut into boards has been sold for \$10,000.

PLANET JR. TOOLS

Why depend on slow, expensive farm help, which gets poorer and scarcer all the time? Own a Planet Jr. and do the work of three to six men that plant or hoe by hand.

Planet Jr. tools are built for practical, economical work—are improved every year. They are backed by 35 years experience, a million satisfied users—and fully guaranteed. Our new illustrated catalogue sent on request, showing our splendid line of 1908 Tools—Seeders, Wheel-Hoes, Horse-Hoes, One- and Two-Horse Riding Cultivators, Harrows, Orchard- and Beet-Cultivators. Write today.

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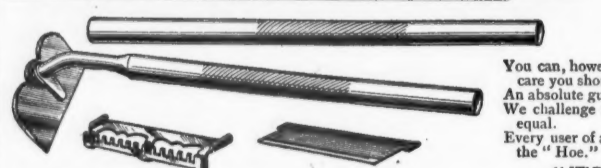
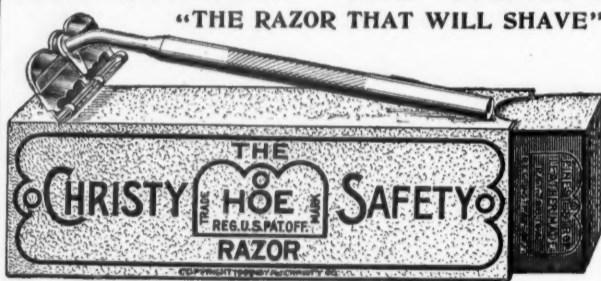
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A GIRL IN OUR VINEYARD.

This photograph was sent us by Mrs. J. W. Rogers, of Pennsylvania, who writes that the picture was taken in her vineyard. The object in calling for such photographs as this is to interest people in fruit growing. This is one of the main objects of Green's Fruit Grower. Intemperance, ill health, discontent, rioting, and possibly wars may end when the world is well supplied with an abundance of fresh fruits of all kinds.

Aunt Hannah's Replies

Dear Aunt Hannah:—I am in love with a worthy and exemplary young man, 26 years old, who has a profitable business, and is known as a man of integrity and promise. I am 19 years old. He is a farmer. He proposed marriage after keeping company with me for a month. I accepted his offer. Then he said he could not marry for a year or eighteen months, for the reason that he feared that I would not like living on a farm. He gave me this time to decide whether I loved him well enough to give up the attractions of town or city life for the farm. He does not want to marry a girl and learn afterwards that she cannot be contented to live on a farm as his wife.

I feel confident that I could not be contented on a farm, yet I think I cannot live without this good and devoted young man. Recently I told him that I could not be contented to live on a farm and would not get married. With tears in his eyes, he replied, "I am sorry to hear this; but it is probably better for both of us that we should come to an early understanding." It is impossible for him to leave his business and come to town and live, for his farm business is well established, and he would not know how to make a living off the farm.

He now gives me six months to decide finally. This is why I appeal to you for advice. This young man does not drink nor use tobacco.—Yours in distress, A Subscriber to Green's Fruit Grower.

Aunt Hannah's Reply:—Like many young girls you do not seem to have a correct understanding of what true love or marriage is. The young woman who truly loves a worthy man will, if she is worthy, be willing to follow him wherever he may go, no matter how great the sacrifice may be on her part. She would follow him to India, China, Alaska, Africa or to any place in the great wide world, under almost any circumstances. Thousands of women have done this for the sake of the men they truly loved. When a girl finds that she cannot sacrifice herself for her prospective husband, she decides that she does not truly love him. There are women who have given up home and kindred and gone with husbands as missionaries to the ends of the earth for love, and have been happy, far happier than they would have been had they not sacrificed themselves. On the other hand, there have been shallow women, not capable of deep affection, who have sacrificed true and worthy lovers for ease, wealth or social position, and who have afterwards been unhappy as a result of their foolish act.

Therefore your course in this case will be decided by the test which must come to all. The test will show whether you are a true woman, capable of the highest devotion to your husband or, in other words, whether you are worthy of the love of such a man as now offers you his heart and a comfortable home on a farm.

You are mistaken in supposing that farm life cannot be made attractive for a city girl. I know of city girls who have married farmers, who have felt that they were sacrificing themselves in adopting farm life, who have grown to love the country and all its beautiful associations, and have shed

tears of anguish on leaving the farm later in life, when compelled to do so on account of changes of fortune.

Matrimony has spoiled many a so-called friendship. Jealousy bears a lot of fruit that should not be preserved.

Admirers of the rural maid are apt to be in the hoe-beau class.

Ex-heroes can't understand why the world has such a poor memory.

When trouble drives a man to drink, drink drives him to more trouble.

Don't waste time finding fault with yourself; that's what your friends are for.

Insanity is said to be akin to love—but a man in love doesn't care if he is crazy.

If a woman is in love with a man she always believes what he says when she says she doesn't.

We always say we don't want our friends to grieve after we are gone—and they don't after the novelty wears off.

It is easy to say what you would do in another man's place, but when it comes to doing the proper thing in your own place—well, that's different.

The smaller the dog the bigger the bluff he makes.

When a man lectures on prohibition he has a dry subject.

Be wealthy and people will forgive you for not being good.

There are men who exchange their self-respect for a drink.—Chicago "News."

Are Plants Possessed of Senses?—An eminent Dutch botanist, Dr. P. G. Buckers, in a recently issued work, insists that plants really possess senses and their necessary organs. A review of his book is summarized in the Dutch magazine, "Vragen van den Tag." This review says:

The hygroscopic root that is so sensitive to water and turns with such certainty toward it must have an organ for this, though we have not yet discovered it. The nice dainty taste of numerous plants has been established beyond all doubt, although the organs of taste no one has yet seen. How, then, could it be discovered that a plant can taste? That a plant is aware of light is evidenced by the fact that it turns toward it. Gravitation, also, makes it grow upward; at a touch it is impelled to certain movements. But is it credible that anything can taste either good or bad to a plant? Taste has meaning only when by its means something agreeable can be distinguished from something else that is not so. And yet this is the discovery that has been made, that plants have the sense of taste. Note: This is what I claimed fifteen years ago, but no one would believe it then.—Editor G. F. G.

Wood Pulp.—The principal raw materials used in the paper industry are wood, usually spruce or poplar, rags (used for fine paper) old or waste paper, manila stock, jute bagging, rope, straw, sulphur, clay, etc. The most important of all these measured by quantity and cost is wood. In the paper and wood pulp industry, over three million cords of wood, having a total value of over \$20,000,000, were used in the year covered by the census of 1905. The consumption of rags in this industry was in tonnage, 24,952, and in value, \$8,864,607. Of old or waste paper, 588,543 tons were used with a reported cost of \$7,430,335. The value of sulphur and other chemicals used in the industry represents a total of \$8,333,380. The item of fuel was \$13,178,567.

"What! marry my daughter, sir?" cried the rich old man; "why she's my only child." The young man smiled. "Oh, that's all right," he said, undaunted; "you see, sir, one was all I wanted."—"Tit-Bits."

ABOUT THE STOCK OF GREEN'S FRUIT GROWER COMPANY, INCORPORATED.

This may or may not be news to many of our readers. Green's Fruit Grower Company has recently been incorporated under the laws of New York state, with a capital of \$50,000. A number of our friends and subscribers in different parts of the country, representing almost every state in the Union, have sent us orders for a few shares of this stock, which has been offered at ten dollars per share, its par value. Charles A. Green personally guarantees six per cent. dividends on all stock sold to subscribers.

Those who are interested in this proposition should write Green's Fruit Grower Co., Rochester, N. Y., for circular giving particulars.



H. O. MALEY, President Farmer's Voice Co.

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Besides the following gifts for you to select from if you'll write me your name and address on a postal, I'll send you a list of over 500 first-class, high-grade other articles you can have absolutely no "cheap stuff." Read these:

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- Cow Boy's Saddle
- Scales
- 37 Piece Silver Set
- Stevens Shot Gun
- Umbrella
- Wicker Rocker Chair
- Cathedral Clock
- Wood Heater
- Man's Watch
- Gold Filled
- Harness, Single
- Oil Heater
- Ladies' Gold Filled Watch
- Mission Clock
- Carving Set
- Cut Glass Celery Tray
- Roller Skates
- Stevens Rifle
- 43 Piece Dinner Set
- Shaving Set
- Pilot Watch
- Cut Glass Water Jar
- Silver Butter Dish
- Razor
- Set of Kitchen Ware
- Cut Glass Vase
- Electric Lamp
- Silver Jewel Case
- Electric Clock
- Fountain Pen
- Crumbs Set
- Silver
- Silver Nut Set
- Coffee Grinder
- Boys' Watch
- "Defiance"
- Silver Berry Bowl
- Dust Pan
- Silver Napkin Ring
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- Electric Light (long)
- Nursery Chair
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- Salt and Pepper Set
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- Rooster and Baker
- Seed Drill
- Hand Atlas

If you don't see just what you've been wanting in this list, for men, women, or children—just say what it is you want when you write me. I'll give you an order for it—paid up—on your local dealer or on any manufacturer.

THIS is my own, new, exclusive plan of making FRIENDS for THE FARMER'S VOICE. Don't hesitate to SAY to me JUST WHAT you want. YOU can have ANYTHING you want—and I'LL SEND it to you, or have it SENT to you on this plan of mine. It won't cost you a cent this way.

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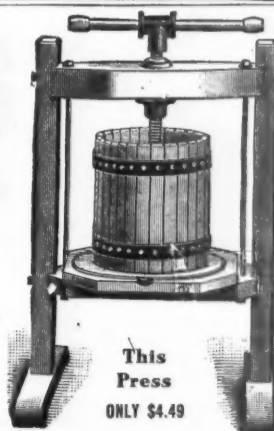
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MAHER & GROSH CO., 643 A STREET, TOLEDO, OHIO.



SMALL FRUIT DEPARTMENT

Wine Not Popular.

Vicomte G. d'Avenel, who has just returned from America, says regarding wine production in California.

For the manufacture of wine it is not enough to have grapes. Skill and patience are also required, and the latter quality is not at all common in the United States.

The white wines, which cost about \$10 a hectoliter in the San Francisco district, have a pleasant and generous taste, resembling the Cotes du Rhone growths. The red wines, rather alcoholic, are thick, rough and really poor. They could be greatly improved if more care were given them and more time.

But Americans are absolutely unable to wait. They expect to force their wines to mature in six months and are surprised when the wines refuse to do so.

Some, having heard that a sea voyage hastens a wine's maturity, send their barrels on sailing vessels around the world. The result is none too satisfactory. It would be simpler to build large cellars. When this was suggested to a merchant he replied that such a plan would lock up too much capital and would not give a sufficient return on the money invested.

It is true that the sale of wine in America is very restricted, as scarcely anything but iced water is drunk at table. The imports only amount to 283,000 hectolitres, of which 36,000 hectolitres, or 4,500,000 bottles, are champagne.

Wine, however, is of all beverages the least common in the world. Although France is a great supplier of wine her exports to the whole world are only 2,000,000 hectolitres. French wine growers generally overlook this melancholy truth, that the human race does not drink wine.

The greatest number of civilized peoples—800,000,000 of Chinese, Japanese, Indians and Russians—drink tea. A smaller number, but still a very important one—the Mussulman world, Turkey and North America—drink water. Some 170,000,000 English, Germans, Austrians, Scandinavians, Belgians, Swiss and Poles know beer alone.

Wine has not for itself even the whole of France, for eleven of the western departments drink almost exclusively cider, and three or four in the north are satisfied with local beer breweries.

Raspberry Culture.

There are a great many ladies living not a long distance from towns, both large and small, who apparently overlook their advantages in many things, yet constantly complain of hard times and small chances of making any money. The farmer who looks after his crops and the live stock has but little time for other matters, but the raising of small fruit and disposal of the same is comparatively so easy that I have but a small amount of sympathy for such complaining women.

The past summer a lady and her young daughter solved this problem. Having a surplus above the family use of red raspberries they decided to offer them to private families in the village, 5 miles away. The bright new quart baskets were filled so that no shortage of measure would be found at the end of the drive, and dressed in light wash suits, with a clean carriage and well groomed horse, they certainly could not be classed as ordinary "peddlers" or "hucksters," but in less than two hours every quart of berries had been sold at 14 cents per quart, some people buying ten or more quarts, and dozens of orders for future delivery were taken, and many new acquaintances made. This, as a sample of what others may do.

Red raspberries are most desirable to cultivate, as people buy them more readily than the black, because of their rich fragrance and color, which make them an unrivalled fruit for jams and culinary use. The Cuthbert and Loudon are the finest of the red sorts. The latter sort is very prolific, and the bearing period is extended several weeks later than any other variety I know of. The Cuthbert belongs to the class known as "thimble" berries, and to my mind there is nothing more beautiful than a well-laden Cuthbert bush.

"Blessed if they didn't ask me to have blackberries to-night," he protested bitterly. Then recognizing that of itself the offending seemed slight, he added, by way of explanation: "Blackberries! I haven't eaten blackberries since '64."

That was when Early came in from Monocacy and things began to move in Washington. I was out with about two handfuls of men, one morning, one blistering hot morning, riding along with orders, when after jumping my horse over a low fence I spied a bunch of blackberries growing on high vines. I was simply choked with thirst, and I bent over on my horse, pulled off a handful of big ripe berries, and—came to in a hospital in Washington two days later. Jubal Early's artillery caught me on the first shot. No thank you, I still have a prejudice against blackberries."

Grapes for New York.

Professor Hedrick reports that he has found that the extent to which certain varieties of grapes are grown varies greatly with the section of New York state. In Hudson valley district, the Concord leads, with 58 per cent., and is followed by the Niagara and Delaware both of which represented 9 per cent. of the acreage. The Worden represents 7 per cent. of the acreage in this section, Moore's Early, 4 per cent. while the Catawba is represented by only a few scattering plantings.

In the large Chautauqua district the Concord leads with more than 90 per cent. of the entire acreage. The Niagara is represented by 3 per cent., Worden 2 per cent., while the Catawba and Delaware each have plantings which represent 1 per cent. of the acreage in the district.

Along Seneca lake the Concord represents 37 per cent. of the acreage, the Catawba 29 per cent., Delaware 5 per cent., Worden 3 per cent., and the rest of the plantings are miscellaneous varieties.

A more even distribution of varieties exists along Canandaigua lake, where the Concord and Catawba each represent 22 per cent. of the acreage, Delawares have 19 per cent. and Niagaras 13 per cent., while the Worden and Moore's Early drop back among the miscellaneous varieties.

In the Keuka lake district the Concord has 45 per cent. of the acreage, Catawba 31 per cent., Niagara 9 per cent., Delaware 8 per cent.

Niagaras are the favorite in the Niagara county district, and represent 80 per cent. of the acreage. Its only formidable rival is the Concord, which represents 5 per cent. of the acreage. The other 5 per cent. of the acreage is made up of scattered varieties.

Thanksgiving Prune.

If these prunes are picked before becoming soft they will keep longer than if they had fully matured on the tree, but it is a long-keeping prune no matter when it is picked. The visitor said that if a basket of these prunes were gathered and placed in an ordinary room, not too warm, the fruit in the basket would keep several weeks without rotting, but if the prunes were spread over a shelf they could remain there for months, ultimately shriveling and forming the dry prune of commerce. The prunes he handed me in January had not shriveled, but were nearly as fresh as though just picked from the tree. They were juicy, rich and of superior quality. Professor Bailey has written the originator several times in regard to this remarkable prune, and thinks it belongs to the Damson family, but the Damson is usually small, while this is large. Professor Bailey says that Thanksgiving Prune is the longest keeper he has ever seen.

It ripens in October, when most varieties are entirely out of the market, and this would seem to be another feature in its favor. Thanksgiving Prune has attracted considerable attention in western New York, and several orchardists have planted it in lots of one or two hundred trees with restrictions in regard to propagation. The tree is a vigorous, upright grower, perfectly hardy about Rochester, N. Y.

Ice Houses.

Ice will keep, be the house above ground or below, if the construction and management are right, says "Practical Farmer." There are three points that everyone absolutely must pay attention to. They are ventilation above the ice, drainage below it, and a body of sawdust or some similar non-conductor, about one foot thick, on top, bottom and sides. The ventilation can be obtained by good sized openings in each gable of a small building or on all four sides of a larger one. The openings may be covered with wire cloth, to keep out birds. Blinds may be used, with large slats turned down so as to keep out the most of the rain, while letting the air through freely. In a large building the side openings may be right under the eaves, which will keep the rain out.

What 75 Cents Will Do!

It will bring you Green's Fruit Grower, Vick's Magazine, and Farm and Fireside, each a year, all for 75 cents.

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VICK'S MAGAZINE is, primarily, a Fruit and Garden magazine and is also essentially a Home magazine and still maintains that direct personal interest in its subscribers in the same way that its founder, James Vick, did over thirty years ago. The magazine has a real, practical value for its readers and the practical use of its suggestions determine its worth. Vick's has sent sunshine and good cheer into thousands of homes for many years.

GREEN'S FRUIT GROWER AND HOME COMPANION has a National Circulation, going into the homes of the best Horticulturists everywhere. It is the largest and greatest Horticultural publication in America. Its circulation is more than double that of any other fruit journal. The growth of this journal has not been attained in a few years, but it has taken 26 years of hard work to place it in the position it occupies to-day—the leader in its class.

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REMEMBER that the left hand column gives the regular price for both papers while the right hand column gives our special price for both.

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1 00	Human Life.....m	75	2 00	Sunset Magazine.....m	1 25
1 50	Harper's Bazaar.....m	1 00	2 00	Table Talk.....m	1 35
1 50	Hoard's Dairyman.....w	1 00	2 00	The Technical World.....m	1 50
1 50	Home Magazine.....m	85	1 50	The Travel Magazine.....m	1 10
1 00	Household Realm.....m	75	1 00	Vick's Magazine.....m	85
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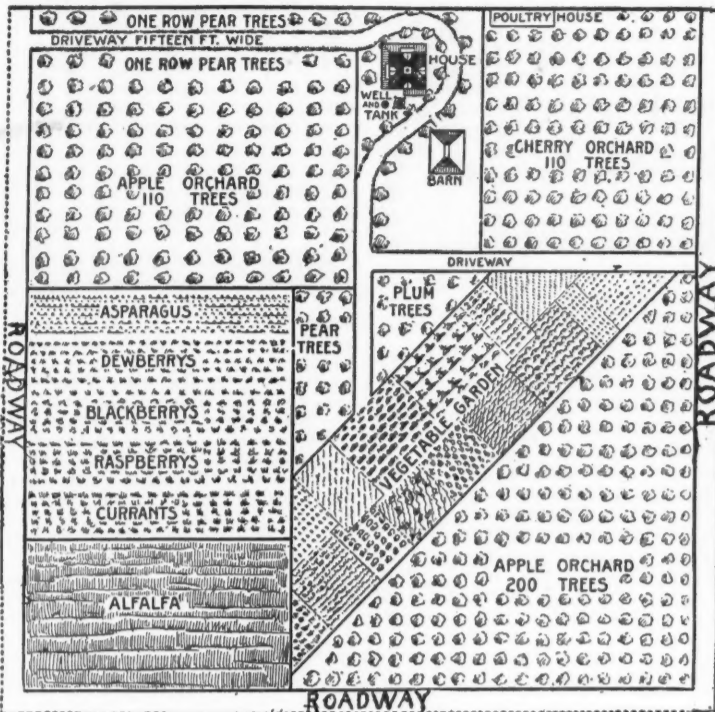


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PLAN OF MODEL FARM OF TEN ACRES.

The above is a diagram of the 10-acre model farm which the Spokane & Inland will establish at Valleyford under the direction of C. L. Smith. The shape of the vegetable plot is determined by the topography of the ground, being made to include a ravine.

The land will not be irrigated. It will have all kinds of fruit, good buildings, will be stocked with poultry, and the owner will keep one cow and one horse.

Five acres of this model farm, as outlined by C. L. Smith, shall consist of orchard, which shall include 100 cherry trees, 200 apple trees, 25 plum trees.

One and a half acres shall be set to small fruit, including one-half acre strawberries, one-fourth acre blackberries, one-fourth acre raspberries and one-fourth acre each of currants and asparagus.

The strawberries are to be planted be-

tween the rows of cherry trees, and the vegetables, corn and squashes are to be grown between the other rows in the orchard until the trees come into bearing.

One acre is to be sown to alfalfa and three acres are allowed for vegetables and buildings. The live stock is to consist of 100 hens, one cow and one horse.

Note by C. A. Green.—The above cut and copy is from the "Spokane-Review," Washington. It gives one man's idea of how a 10-acre lot can be planted to fruits. But the reader should discard the plan for vegetable garden shown in cut, placing the garden elsewhere. In above plan the garden was no doubt placed correctly, according to the lay of the land, but for others the garden should be placed differently. Such plans simply give the reader an idea. They should not be followed blindly.

Looking From the Window.

Written for Green's Fruit Grower.

My former pastor, Dr. G. Chapman Jones, has told me of a very successful business man who claimed he made his money when apparently idle, looking out of the window. The thought intended to be expressed here was that this man became successful by making plans. He could not make plans when busily engaged with the details of business. He could only make plans when seemingly idle, thus it was his custom to sit hour after hour, seemingly idle, looking out of the window.

Possibly readers of Green's Fruit Grower need to form a habit of looking more out of the window. Many of us are too busy to secure the greatest success in our enterprises. We must have time for thinking and making plans. There are many suggestions we can get from the view from our window. We may see trees and shrubbery that need pruning, or that are making slow growth and need to have the soil about them enriched. We may see roofs of buildings that need reshingling, or clap boards that have been blown off by the wind, or farm tools lying out in the storm which should be housed. Possibly we may see poultry and other animals shivering in the cold that should be provided with comfortable quarters. We may see from the window fields that have yielded small crops in the past year, owing to lack of fertility or dearth of culture. Possibly we may see roadways deeply rutted which are almost impassable during early spring or wet spells which need to be covered with a thick layer of coarse gravel. We may see fields that need ditching and fences that need repairing.

Possibly after looking out of the window for some time you may decide that it would be a good plan to dispense with division fences on your farm. At Green's fruit farm we disposed of all dividing fences 15 years ago. Fences are expensive affairs in the building and annual repairing which is necessary. Possibly after looking out of the window for a while, you may think of some plan to keep a larger number of hired men at work during the winter months. Laboring men should have work during winter months. One reason why farmers have difficulty in securing laborers is that they employ those laborers only eight months of the year, leaving them idle

during four months of winter. There are few laborers and particularly married men with families, who can afford to lie idle four months of the year.

When you sit down again by your window in a thinking mood, ask yourself whether you are devoting the fertile soil of your farm to the best paying crops. There is great difference in the kinds of crops you grow, in considering your profits. Some crops, notably corn and wheat, yield but small profits since they can be grown almost anywhere and everywhere over this broad land, but there are certain crops which cannot be grown everywhere, and which possibly your soil is particularly adapted to, which can be grown by you at more than double the profits of the crops you are now growing. Should you find that your farm is adapted to fruit growing, consider well plans for planting an orchard in the spring. In considering these plans ask yourself the question, "Have I a boy who might take up the fruit growing department on my farm and make it a success?" It makes me sad when I drive through a country, particularly favored as a fruit growing country, and see farmers growing ordinary crops that yield but small profits, when they might do so much better by planting orchards or berry fields.

Hon. Leslie M. Shaw Says Rich Men Never Whistle.—"Money in a certain sense is concentrated power. In a man's pocket, it is a most loyal and unfailing friend. The most lonesome person in all the world is one walking the highways without a dollar. Money is an order on the world for what the world produces, and in all countries and climes this order is always honored.

"After a certain point wealth becomes a burden and it robs its owner of ease and repose, yet I have observed how eager and willing people are to struggle along through life with the burdens of wealth upon them. Very rich men never whistle. Poor men always do. Bird songs are in the hearts of the poor men. This is well: In every condition of life there is compensation."

On the Safe Side.

Mrs. Benham—Why don't you see him and ask him for the money he owes you? Benham—You don't know what a plausible talker he is, my dear; if I should meet him he would borrow more of me.—Brooklyn "Eagle."



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I want to get a personal letter from every man and woman in America afflicted with Rheumatism, Lumbago or Neuralgia, giving me their full name and postoffice address, so I can send them Free a full-sized One Dollar Bottle of my Rheumatic Remedy. I want to convince every Rheumatic sufferer that my Remedy does what thousands of so-called remedies have failed to accomplish, **Actually Cures Rheumatism.** I know it does, I am sure of it and I want every Rheumatic sufferer to know it and be sure of it, before giving me a penny profit. You cannot cure Rheumatism out through the feet or skin with plasters or cunning metal contrivances. You cannot *tease* it out with liniments, electricity or magnetism. You cannot *imagine* it out with mental science. **You must drive it out.** It is in the blood and you must *go after it and get it.* This is just what Kuhn's Rheumatic Remedy does and that's why it cures Rheumatism. Rheumatism is Uric Acid and Uric Acid and Kuhn's Rheumatic Remedy cannot live together in the same blood. The Rheumatism has to go and it *does go for good.* My Remedy cures the sharp, shooting pains, the dull, aching muscles, the hot, throbbing, swollen limbs, and cramped, stiffened, useless joints and cures them quickly.

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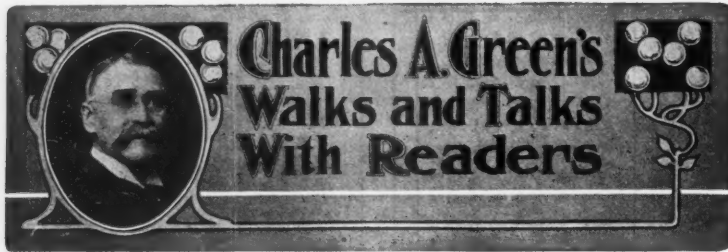
We want you to try Kuhn's Rheumatic Remedy, to learn for yourself that Rheumatism can be cured and we want no profit on the trial. A fair test and a just verdict is all we ask. If you like it and find it is curing your Rheumatism or Neuralgia, then order more Remedy to complete your cure and thereby give us our chance for profit. If it does not help you, no harm is done. We know what Rheumatism is, we know our treatment, know just how it works, and will take this chance. We do not send a small sample vial, containing about a thimbleful and of no practical value, but a full-sized bottle, selling regularly at drug-stores for *One Dollar Each.* This bottle is heavy and we must pay Uncle Sam to carry it to your door. We ask you to send us *25 cents* to pay cost of postage, packing and mailing case and this full-sized One Dollar Bottle will be promptly sent you free, everything prepaid. There will be *nothing to pay* on receipt or later. No other Rheumatic Remedy has been or can be so offered. Don't wait until the valves of your heart are injured by Rheumatic Poison, but send today for this one dollar bottle free on trial. Only one bottle sent free to a family and only to those who have never before used this remedy and will send us the *25 cents* for charges. Address:

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ROCHESTER, N. Y., JANUARY, 1908.

X This cross appearing here is for the purpose of advising you that this is the season when nearly all subscriptions to Green's Fruit Grower expire. This cross is intended as an invitation for you to renew your subscription at once. Will you do me the special favor of complying with this request without delay? We have subscribers who have subscribed for five years, and some who have subscribed for life. If you belong to those do not write us explaining the situation, but rest assured that you are correctly recorded on our books, which are kept with great care. If there has been a recent change in your postoffice address please say so, giving your former postoffice address, as well as your new one.

Religion is the science of right living.

If you have sinned and are sorry, God will serve you.

The critic is the man who most often needs criticizing.

If you want fame, don't strain for it. Just be yourself, intensified.

If you are wean, wan and weary, eat apples and get out in the sunshine.

If it's wealth that you are craving, be enterprising, plucky, frugal and industrious.

If you think the world is dreary, start a fruit farm. This will give you good digestion, which is what most people need.

Wise hunters do not proceed with much noise to shake trees to get squirrels. No, they proceed quietly and wait for opportunity.

Socrates says that if thou lovest learning thou shalt be learned. This is but another form of the saying of Christ, "Seek and ye shall find, knock and the door shall be opened." It bears upon the law of life that whatever we thirst after with all our might and strength, we will secure. These words are full of encouragement for struggling humanity.

Rabbit Protection.—Mr. E. Brunke of Virginia writes Green's Fruit Grower that he protects his fruit trees from being gnawed by rabbits by wrapping around the trunks of the trees worn out garments of any kind of cloth. He tears the cloth into strips, two or three inches wide, and winds it diagonally around the trunk of the tree as high as the rabbits can reach, fastening it here and there with pins. Strips of strong paper would answer the same purpose.

What Varieties of Apples Shall I Plant?—Green's Fruit Grower is often asked this question, which is a difficult one to answer. It is difficult to decide what variety to plant when you are familiar with your locality. How much more difficult is it or impossible when you are asked to state which is the best variety to plant in Idaho, Nebraska, Texas or New England. In New York state more trees of Baldwin are planted than any other variety. In Missouri more trees of Ben Davis are planted than any other. The King, Spy, Banana, Rhode Island Greening are favorites of New York state, as well as the Roxbury Russet. The Jonathan, which is so popular in Missouri and other western points, is small as grown in New York state. The United States agricultural department has published a bulletin on varieties of apples which you should send for, if you are interested in this subject.

Pruning Trees and Vines.—In reply to a subscriber I will say that if you cut out the top branches of an apple or peach tree when two years old, making it branch out three feet from the ground, the tendency of these branches will be to droop lower rather than extend high in my opinion, as the weight of the fruit might cause the branches to reach nearly upon the ground. I do not ad-

vise cutting out the top of the tree as it is not the natural condition for the tree as it would let the hot sun shine in too freely.

If you fasten a grape vine to the side of a building firmly spreading the canes far apart before the leaves start, you need not trouble yourself about the new growth which will take care of itself.

Rats.—Many million dollars worth of grain and other produce are destroyed each year on the farms of this country by rats. Rats are strange creatures, somewhat migratory in their habits. My place has been overrun with them, but on securing good cats, and allowing them freedom of the house and barn cellars, in a short time the rats would disappear entirely. Then later, after the cats had died or were killed, it would seem as though the same race of rats would come back in swarms. Again they were driven away and not seen for a short time, but as soon as our cats were gone back they would come again. In trapping rats it is best not to bait the trap, but to set the traps in boxes slightly covered with bran, but good cats are the best for destroying rats. Where the floors of the barns or granaries are of concrete rats are deprived of their best protection, which are the floors of the barn. Rats carry the germs of disease, notably the bubonic plague. This is liable to cause large destruction of the rat family.

Does Fruit Growing Pay?—Yes, every kind of business may be said to pay so long as men continue to pursue those lines of business. If fruit growing, farming or any other kind of business did not pay, men would stop working at those particular industries and go into some other enterprise, but the inquirer generally means by this question, "Does fruit growing pay better than other methods of working the soil?" Taking this view of the question I will say that fruit growing pays better than other methods of soil culture. Our mail carrier has a little farm, with a few acres of apple orchard, situated eight miles out of Rochester, N. Y. He tells me this morning that he has sold his apples this season for \$800. There are many farmers in this locality who receive from \$300 to \$500 for their apples. But do not decide from these reports that fortunes are made in a few brief years at fruit growing. Remember that there are years when fruit sells at lower prices and other years when the crops are small.

Strange Methods of Training Fruit Trees.—We who grow fruit easily in this great fruit growing section of the world but little realize the labor expended upon training fruit trees in other countries. In Japan if we were to see an apple orchard for the first time we would not recognize it as an apple orchard, and the same may be said of a pear orchard. In Japan the entire field is covered with poles resting upon posts. The top of each tree is allowed to reach the top of this platform of poles, which is about six feet above the ground. No branches are allowed on the tree below the roof of poles. Over the roofing of poles are trained the branches of trees, as we would train canes of grape vines, and here is borne the fruit, upon the roof, as it may be called, of the structure. Here apples, pears and other fruits get full benefit of the sunshine and develop into great size and beauty. The ground is kept free from every spear of grass or weeds. Though the price of labor in Japan is but a fraction of the price we pay in this country, still the expenditure on an acre of orcharding in Japan exceeds that of an acre in this country a hundred fold.

The Japanese are famous horticulturists. They have methods of training, and dwarfing trees of which we know nothing. A citizen in Japan is so far skilled as to be able to grow a tree in a tub, to the height of only three or four feet, though the tree may be a hundred years old.

In England and France fruit trees are grown on trellises, each branch tied to the trellis as we would train the arms of the grape vine. Many of the peaches

grown in these countries cost the grower \$1.00 each.

There are few American fruit growers who realize the blessing they are enjoying in living in a country where the finest fruits can be grown with less trouble than in almost any other part of the world.

Evolution.—This is a bugaboo name which simply means a gradual improvement in live creatures, or in implements, from a low to a higher state. No thoughtful person can doubt that evolution is a law of nature and of life. Consider for a moment the evolution of the piano. At first it may have consisted simply of wires strung across the window, which gave forth a musical sound when moved by the wind. Later years the wires had grown into the harp in its crudest form, then later the harp in its more perfected form. Next we have a crude form of piano, which is simply a harp laid flat, its wires manipulated by keys instead of the fingers; this early piano in comparison with the perfected piano of to-day would be like the earliest reaping machine, compared with the perfected reaper, the crude instrument called the spinnet. At the Museum of Art in New York City a room is filled almost entirely with early pianos of crude construction, showing the evolution of this instrument. Not only was it imperfect in construction and mechanism, but it was of small size and feeble tone. Similar improvements to those made in the piano have been made in almost every machine now in operation in the thousands of factories throughout this great country.

Orchards Sub-Soil.—Where orchards do not succeed, possibly the difficulty may be with the sub-soil. Before buying a farm, I always take a spade and dig down to see the character of the sub-soil. Anyone who has ever dug a tree knows that the roots go down deep into the sub-soil if it is possible for them to get there. Thus the character of the sub-soil is of great importance, more so to the orchardist than to the man who grows farm crops. There are sub-soils which contain but little fertility, while there are others that are almost as fertile as the soil above them. If on examining the soil by digging I find the sub-soil so hard that it requires a pickaxe to break through, I do not buy that farm. It is possible that trees may succeed on such soil, for roots have great penetrating power, but such hard sub-soil will not permit natural drainage. The water will not escape freely through such hard soil, thus the roots of the trees will be injured by excessive moisture. Some sub-soils are too loose and sandy. These soils are called leachy soils, for the reason that they will not allow the soil above it to retain its fertility.

Which Pays Best, Large or Small Orchards?

My experience is that on an average, the small orchard, vineyard or berry field pays better proportionately than large plantations. It is the finest quality of fruit which pays the largest profit. It is much easier for the average man to highly enrich his small orchard or plantation and to give the plants, trees and vines the best opportunity to produce fine fruit, than it would be were he cultivating and growing them on large plantations. In order to succeed with the 100-acre apple orchard, peach orchard or vineyard it requires considerable capital, if the soil is to be properly enriched and cultivated and the proper attention given. Greater business ability is also necessary in selling the products of a large plantation. The possibilities of a few acres devoted to apples, peaches, pears, plums, cherries, quinces or to grapes or other small fruits are great. We have published accounts of subscribers of Green's Fruit Grower and others who have received from a single peach tree in one season \$25. This money has been secured not only by making the soil exceedingly rich but in careful attention to the tree in every other way, and in the ability to secure fancy prices for the fruit. If this man had larger orchards he could not secure such high prices, nor such large yields per tree.

Dwarf Trees Growing in Favor.

It is the opinion of many successful orchardists that dwarf fruit trees will be in great demand now and in the years to come, owing to the ease with which insect enemies can be kept in control on small trees as compared with large trees and the easy gathering of the fruit. There is much said about dwarf trees, particularly in favor of dwarf pear trees. The trees can be bought at a lower price than standard pear trees, and my exper-

ience has been that the fruit is of larger size and finer appearance on dwarf trees than that grown on the large trees. It is surprising how bountifully these dwarf pear trees bear fruit even when planted very closely together. I have seen dwarf pear trees in the nursery row only six to twelve inches apart, and only three to four years old which were bearing fruit abundantly, and large-sized fruit at that. In my garden I have what is called a dwarf pear hedge, consisting of dwarf pear trees planted three feet apart in the row. By keeping these trees cut back each season they do not interfere with each other and bear abundantly. I know of no greater attraction to a city or country home than a row of these dwarf trees planted the entire length of the garden. They are not only a beautiful object, adding to the attractiveness of the home, but furnish an abundance of delicious fruit during a large portion of the year from July to January.

Eight-Hour Day for Fruit Growers.

Our friend and subscriber, the venerable George J. Kellogg, says that he has adopted the eight-hour system, and that in fact the eight-hour system has been practiced by him during a large portion of his life. He finds that it works well in his locality and brings good returns in the way of cash for fruits sold, and in prizes received by him at the various fairs. His eight-hour system is as follows: He works eight hours in the forenoon and eight hours in the afternoon. There are many successful men who have adopted a similar eight-hour system. This man worked eight hours in the office and eight hours out of office. This means that successful business men do not stop thinking or planning when they leave their offices. They think and plan about business before office hours in the morning, after business hours in the evening, and often wake up in the night to make plans to advance business interests. Do not think that successful business men in every field of human ingenuity are as a rule not worthy of their success, and that they do not fully earn the success they have achieved. Do not think, as many do, that these successful men have simply been lucky, for this is not true. Success comes only after a brave struggle with adversity, and after much personal sacrifice and self restraint.

Mr. Kellogg has retired from large orcharding and fruit growing. His garden is now eight and one-third by sixteen rods in extent, not much over an acre. He is growing on this small plot 70 fruit trees, 30 grape vines, 50 currant bushes, 50 raspberry plants and a large asparagus bed, 2,500 ginseng plants. On this small plot he has 40 varieties of apples on one tree, and 60 varieties growing on various trees in his garden. He sprayed his trees and vines seven times in the past season, and thus secured the finest fruit he has ever grown. Some of his apple trees were loaded to the ground. His pear trees were heavily laden with fine fruit. His fruit was of such superior quality as to secure him 35 first premiums of pears.

Fox or Skunk, Which?

Some years ago our maid servant reported that she had seen a fox coming out of the hedge row that divides my city home from the nursery. Previously we had received indisputable evidence of the presence of a skunk upon our premises, hence I assumed she saw the skunk and not a fox. This skunk for nearly 10 years had lived under the side porch of my house. He had evidently been attracted to the house by the garbage pail. He would throw the cover off with his nose and feed upon the contents. Finding a safe refuge under the porch, he decided to make this his home. Last year we put a new floor on the porch, during which time the skunk escaped unnoticed, but we found there his nest, made of grass and weeds, piled high and deep, with a hole in the center just large enough to hold his body when curled up. The minds of many people have been exercised in an effort to dislodge this skunk. Several readers of Green's Fruit Grower have kindly given me suggestions, but they did not seem applicable to the situation. It is easy to trap or kill a skunk, but it is difficult to avoid the consequences of dislodging such a creature, which might make my house uninhabitable. Yesterday, as a result of our deliberations, we poured ground sulphur on hot coals, placed in an iron dish, and set this dish on one end and under the porch floor, and another similar dish at the other end, the skunk being midway between the two. Soon after we heard the sneezing of the skunk, but it was an hour or so before we dislodged him. He finally attempted to run out at one end of the porch, when he was shot without offensive results.

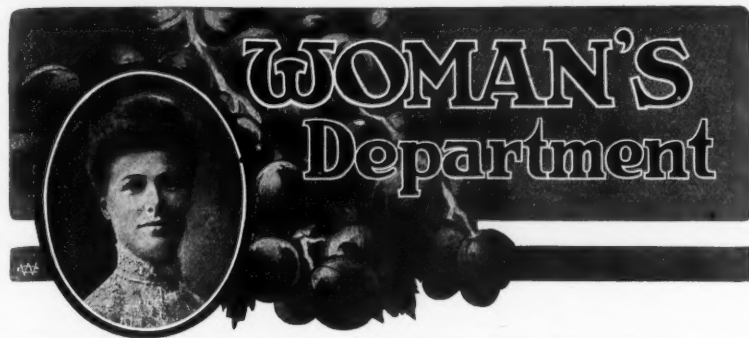
It is of larger dwarf trees. These dwarf trees when planted in abundance row only six and only three were bearing e-sized fruit. What is consisting of feet apart these trees cut not interfere abundantly. tion to a city row of these are length of only a beauti- attractiveness in abundance large portion nuary.

Growers.

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servant re-ox coming divides my Previously evidence upon our e saw the skunk for under the e had evi- house by throw the feed upon e refuge make this new floor time the we found and weeds, ole in the d his body of many an effort al readers ve kindly y did not on. It is but it is es of dis- ch might . Yester- ations, we not coals, this dish orch floor, the other y between the sneez- n hour or He finally d of the out offen-



Until We Meet Again.

The friends who leave us do not feel the sorrow Of parting, as we feel it, who must stay Lamenting day by day. And knowing when we make upon the mor- row We shall not find in its accustomed place The one beloved face.

It were a double grief, if the departed, Being released from earth, should still re- tain A sense of earthly pain; It were a double grief, if the true-hearted, Who loved us here, should on the farther shore Remember us no more.

Believing, in the midst of our afflictions, That death is a beginning, not an end, We cry to them and send Farewells, that better might be called pre- dictions. Being foreshadowings of the future, thrown Into the vast Unknown.

Faith overleaps the confines of our reason, And if by faith, as in old time was said, Women received their dead Raised up to life, then only for a season Our partings are, nor shall we wait in vain Until we meet again.

—Longfellow.

Where Waste is Wealth.

By the Editor.

I am economical. I believe there is pleasure in practicing wise economy and that there is sinfulness in needless waste, but there is a withholding that leadeth to poverty.

There are many people who consider it their sacred duty to save all the old clothes, all the old pieces of wrapping paper and the twine with which they are tied, all the paper and wooden boxes, all the broken and out-of-date furniture, all the old newspapers and magazines, all the scraps of wall paper from the vari- ous rooms, old candlesticks, old kero- sene lamps, old and worn bedding, in fact all the wreck and wreckage of a life time. These saving people after a period of ten or twenty years find that they have made their houses store rooms for something that is absolutely useless. Should this family move, as most people have to move occasionally, they find they have wasted valuable room in storing the rubbish of years, that it costs consid- erable money to move these accumulated relics from one place to another. To find room for this waste in the new home is often a different undertaking. I con- clude that it is the part of wisdom for a housekeeper to make a bonfire occa- sionally of such accumulated refuse as I have alluded to.

My method is to give away many things that are of but little use to my- self, and I have found that these items are often acceptable and useful to others. I recently gave away a box of clothing, which could not be called cast-off cloth- ing, which the recipient reported was worth a hundred dollars to him. It seems to me wicked to have stored in your attics or clothes presses worn over- coats, under-coats, trousers, vests, wrappers, cloaks, shawls and outgrown dresses to be eaten up by moths, when they could be made serviceable to others.

Some Advice.—Don't assume that busi- ness air with your wife which is calcu- lated to make her feel small and you important. True, she doesn't know much about the world, but she is a better wife and mother on that account and humilia- tion of her excellent qualities does not improve her a bit. Take her into your confidence, tell her that this much ex- ploited thing known as the world isn't such a terrible creature, it is the same thing as the family only lots larger. The same instincts rule it as rule the chil- dren at her knee. The same law of kind- ness will overcome it as wins the boy's affection. Confess to her that the job at the office, in the store or behind the team isn't half as difficult as the one which she has at home with children. Be a man about it and don't try any longer to fool your wife into believing that you are terribly loaded with life's burdens while she has a snap.—Belleville (Kan.) "Freeman."

Brooms should be occasionally dipped into boiling suds and then they will keep longer.

What a Husband Needs in a Wife.

There are plenty of women that haven't the opportunity to become edu- cated, who would make excellent wives for men of equal mental caliber, says New York "Tribune." A woman is not really qualified to become a wife unless she is the equal mentally of the man she marries. The lack of such a qualification in either has probably led to more di- vorce suits than any other one cause.

One of the six things Mr. Schwab ad- vises women not to do, the one wherein he tells them not to cultivate aggressive qualities, is without question the most sensible of all. No one will dispute the assertion that gentleness is one of the most essential traits in woman. What's more, it is a natural one. For that reason it is hardly necessary to tell women not to become fighters. Of course there are some women who possess tempera- ments not in keeping with their sex, but that is also true of men, so the same rule should apply to both.

As a climax to his matrimonial advice, Mr. Schwab says: "If you would really impress a man, don't talk Ibsen or Maeterlinck. Tell him instead that you can broil beefsteak, make prize coffee and darn socks to perfection." Those are qualifications that every wife should possess, it is true, but they are not the sole attributes necessary. They are sim- ply the fundamental principles. Con- trary to Mr. Schwab's statement, the ideal wife should not only be able to per- form her household duties in a first-class manner, but she should be the equal of her husband intellectually. Some of the most successful men the world has ever known give their wives a large share of the credit for their achievements. A wife should be able to advise her hus- band on nearly every important matter that confronts him. Unless she is capa- ble of doing this, she is not an ideal com- panion for him. Perfect harmony and understanding between husband and wife are also absolutely necessary; otherwise they are not suited to each other.

Says an exchange: "Every old maid knows exactly how to rear children. Every old bachelor knows all about the troubles on the turbulent matrimonial sea. Every subscriber knows how to run a newspaper. Every farmer knows how a merchant should sell goods, and every merchant can see where the farm- ers should make more money on the farm, but after all there are rough places in the road that you will never discover until you get hold of the lines and try to drive." The same thing was said substantially by Confucius several thou- sand years ago. There is nothing in the world that's new.

Weaving.—A man's life is laid in the loom of time to a pattern which he does not see, but God does, and his heart is a shuttle. On one side of the loom is sorrow, and on the other is joy; and the shuttle, struck alternately by each, flies back and forth, carrying the thread which is white or black as the pattern needs. And in the end, when God shall lift up the finished garment, and all its changing hues shall glance out, it will then appear that the deep and dark col- ors were as needful to beauty as the bright and high colors.—H. W. Beecher.

Prayer, continually lived in, makes the presence of a holy and loving God the air which life breathes, and by which it lives, so that, as it mingles consciously with the work of the day, it becomes also a part of every dream. To us, then, it will be no strange thing to enter Heaven, for we have been living in the things of Heaven.—Stopford A. Brooke.

Haricot Beans, Stewed.—Soak the beans over night; in the morning drain them and place in an earthen pipkin with the thigh of a goose, or a slice of young salt pork, a little chopped onion, a small bunch of mixed herbs, salt and pepper, and enough weak broth or water to cover. Place in the oven and stew slowly till tender.

Hints for Housekeepers.

In order to save pieces of soap, make a number of flannel bags, six or eight inches square, and put all the pieces of toilet soap left on the washstands into them. They may be used in the bath and are particularly nice for children.

Don't forget to have your mattresses turned daily for at least one hour before making the beds. The mattress will last much longer.

Keep a bag in the kitchen in which all pieces of string may be placed, as they are removed from the parcels. They may come in handy.

When furs are made over, insist upon having all the pieces, no matter how small, returned, since even tiny pieces are available for use on hats and fancy waist.

Lamb chops are delicious if dipped in lemon juice before broiling.

Soak lamp wicks in vinegar and then dry them thoroughly to keep the lamp from smoking.

Alcohol will take out candle grease.

A weak solution of alum and soda will revive the colors in a dirty carpet.

Clean plaster ornaments by dipping in cold starch, brushing the powder up lightly when dry.

Equal parts of skimmed milk and water, warmed, will remove fly specks from varnished woodwork or furniture.

Always buy an extra yard of stair car- peting, folding it under at each end, so the carpet can be moved to equalize the wear over the edge of the steps.

A few drops of turpentine on a woolen cloth will clean tan shoes very well, and a drop or two of orange or lemon juice will give a brilliant polish to any leather.

Old housekeepers always keep their jellies and preserves on the floor of the preserving room, claiming that the tem- perature there is more apt to be equable than on the shelves. Long, thorough sunning before jellies or preserves get into the closet is said to insure them against mould. It is often the change of temperature that makes canned fruits insipid and causes it to ferment.

Good Recipes.

Broiled Potatoes.—Boil in salted water some large potatoes; peel them, cut lengthwise in thick slices, and broil over a clear fire. Season well while broiling with salt, pepper, and melted butter. Have ready some minced parsley, sprinkle the potatoes with it when they are brown and crisp and send to the table hot. Sweet potatoes are nice cooked in the same manner, and may be served with fried chicken.

Browned Oysters.—Blanch some oys- ters in their own liquor; drain them, and place in a buttered baking dish with a generous seasoning of chopped parsley, shallot, salt, pepper, a dash of cloves, and a little lemon juice. Cover with a thick layer of crumbs moistened with oil or melted butter, as preferred, and brown slowly in the oven. Serve with toasted crackers and a small cruet of lemon juice.

Rice Cake.—One cupful of butter, two of sugar, two and one-fourth of rice flour, six eggs, the juice and rind of one lemon. Beat the butter to a cream, then gradually beat in the sugar and add the lemon. Beat the whites and yolks sepa- rately and add them to the beaten sug- ar and butter. Add also the rice flour. Pour into a shallow pan to the depth of about two inches. Bake from thirty- five to forty-five minutes in a moderate oven.

Yorkshire Tea Cakes.—Six handfuls of flour, one egg, one cake yeast, a piece of lard about the size of two eggs, a little salt and about a pint of new milk. Mix the yeast with a little sugar, flour and water. Rub the lard into the flour, and when the yeast has risen stir it in with a little warm milk. Leave it to rise be- fore the fire, then stir it all together with the rest of the milk, warmed, and add the egg beaten up. Knead it well together and leave it to rise before the fire but not too near; cover it with a cloth. When light knead it into cakes and bake in a moderate oven.—Ex- change.

To make vinegar quickly from new cider, to each gallon add two teacupfuls molasses and one teacupful lively hop yeast, says American "Agriculturist." Set the cask behind or near the kitchen stove and in two or three weeks the cider will have turned to vinegar. Store vinegar and cider, if in iron-bound pack- ages, above stairs, rather than in the cellar, where dampness will cause rust and corrode the hoops.

First Love.—Sir James Crichton- Browne ascribes the phenomena of first love to two causes; the first is "a species of cerebral commotion," and the second is the "stirring of some hitherto dormant association centers by an approximate affinitive impression."



The pride of the family regaling himself with a ripe apple. Photograph sent by Julia Winchell, of Michigan. Such babies as this are the best kind of property.

Common Salt Has Many Uses.

As a kitchen disinfectant salt is inval- uable. A lump of it should be kept in the kitchen sink where it will dissolve slowly and keep the drain pipe pure and wholesome. When it is desirable to cleanse a waste pipe that has been neg- lected flush it freely with a sponge solu- tion of boiling hot salt water.

Salt is one of the best preservatives known for certain foods. In the form of a strong brine it will serve as a me- dium for keeping butter, eggs, meat and various kinds of vegetables almost in- definitely.

For removing egg stains from silver salt applied with a soft cloth will act like magic.

If salt is rubbed on fruit stains when they are fresh all trace of them will dis- appear in the washing.

A pinch of salt added to the whites of eggs will cause them to whip in half the time usually required.

A pinch of salt added to ground coffee just before cooking accentuates the nat- ural flavor of the berry and gives "body" to the drink.

Greens used for salads should be thor- oughly rinsed in salt water to dislodge possible insects or their eggs too small to be seen by the naked eye when pick- ing over the greens.

Sprinkle salt over a dingy carpet be- fore sweeping and the transformation wrought will convince the most skeptical of the value of salt as a cleanser along this line.

Everybody knows, or at least should know, that nothing is so effectual for putting out fire in a burning chimney as salt.

To kill weeds apply boiling hot salt water in liberal quantities. To re- move grass from brick walks sprinkle freely with salt and let stand several days.

White Japanese Cement.—Blend rice flour with a little cold water, add boiling water to bring it to the consistency of not very sticky paste, and boil one min- ute, stirring constantly. It makes a transparent, white, and strong cement, and is recommended for use in all kinds of fancy work.

There are charming scenes in Ireland—

Killarney's lakes and fells— Her parks, her woods, her mountains, Her deep romantic dells; Fair Cork's delightful river, And thou, O sweet Adare, But the charming girls of Ireland Are fifty times as fair.

Plant patience in the garden of thy soul! The roots are bitter, but the fruits are sweet; And when, at last, it stands a tree com- plete, Beneath its tender shade the burning heat

And burden of the day shall lose control— Plant patience in the garden of thy soul. —Henry Austin, in "Harper's Weekly."

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Letters From the People.

Baldheaded.—John A. Mark writes to Green's Fruit Grower that baldness in men is not caused by tight-fitting hats or caps. It is his opinion that baldness is inherited since he has observed that the sons of baldheaded men are more apt to be baldheaded than others. But the fact remains that no one has seen a baldheaded Indian, or a baldheaded aborigine or any tribe of the human family who practices the custom of going bare headed. Some hold that hard-thinking causes baldness. Others assign as the cause confinement in houses and offices. Whatever the cause may be it seems possible that in a few thousand years from now, the human race may be entirely bald.

From Arizona.—There is but little fruit raised here, yet fruit succeeds well and there is every inducement for planting orchards. The land is rough and mountainous. There are only two or three orchards in this vicinity. Peach trees when three years old bear excellent and abundant crops of fruit. Peaches sell at from seven to ten cents a pound and other fruits at proportionate prices. I would I could get some one to furnish money to buy and plant a 40-acre tract on shares.—S. T. Ferrien, Arizona.

The Grape Fruit or Pomelo.—This is sometimes known as the forbidden fruit. The first specimens were pink on the inside, then known as shaddock. This fruit had no commercial value. The grape fruit of to-day differs in color and is more like an orange inside. It is a very refreshing fruit, and when first offered for sale in Chicago brought fabulous prices. I have seen this fruit sell on dock here at Ft. Myers, Fla., at \$20 per single box of about 50 specimens. A tree five years old will often turn out \$25 worth of fruit a year. This year's grape fruit is not over 10 per cent. of a full crop. I have seen twenty to thirty fruits in one cluster.—J. H. Heyser.

Perspiring Bulls.—Frank A. Hadley, of Ohio, writes Green's Fruit Grower that cattle, poultry, cats and dogs perspire, though they do not sweat so much as other animals.

To J. McAdam, Washington: Plant Logan berry plants three feet apart in the row, with the rows seven feet apart. Keep the canes off from the ground by tying them to a stake, or to a wire strung along the row on stakes.

Likes Green's.—My great grandfather went through the Revolutionary war under General Nathaniel Greene, to whom nearly all of the Greens of this country are related. For this reason I love the name of Greene. I have long been a subscriber to Green's Fruit Grower.—Jno. W. Cooke, Arkansas.

Editor Green's Fruit Grower: I purchased a small property where the orchard has been neglected. Would it injure the trees to trim them in winter? I get a great deal of information from the Fruit Grower.—J. E. Mohn, O.

Reply: It is safe, in Ohio, to prune fruit trees any time after the leaves have fallen, but I do not advise you to prune the trees at any time while the leaves are on the trees fresh and green. Since your trees have been neglected for many years, I advise you not to cut away too much of the wood at the first pruning, as it would cause a number of water sprouts to grow. The best course with a neglected orchard is to trim it a little every year for a series of three or four years.

ABOUT CATTLE AND WOODPECKER

Editor of Green's Fruit Grower: Cattle do sweat and profusely, too, if forced to. They are not often seen sweating, because they are naturally of a slow habit and are also accordingly treated by man. But they do not sweat as readily as man or horse, so I doubt myself that the bull did sweat after a short fight with a bear.

Last summer we had a picnic here, combined, as is the custom here in the west, with a barbecue. I was detailed with another fellow to bring one of the steers from a near-by range to the place where the beaves were to be barbecued. The steer was one of the half wild creatures, kept here on the ranges in big herds. We got a rope over his horns, the other end of the rope fastened to a

saddle horn, and began to drag and punch him away. It is always difficult to get such a creature away from the herd. They act plumb crazy. I tell you, in about ten minutes that steer was wet all over, like as we had dipped him in a pond, the sweat pouring down on him in streamlets. It took us over an hour to get him about half a mile away, when he gave up his efforts to break away, because of being completely worn out.

There is a woodpecker story in the same copy of your paper. I believe I know of a better solution than offered. According to the writer, the woodpeckers after the killing of the mother of the birdlings, held a sort of meeting and appointed a foster-mother. Well, as everybody knows, there are two parents to every nestful of birdlings, a male and a female. Both do the feeding of the young, and if something happens to one, the other will assume the double burden of feeding and brooding the young. Woodpeckers, like jay birds or crows, will gather when one of them calls for help. Just let a cat loiter around close to a tree in which is a woodpecker's or jaybird's nest, and see how soon the cries of the excited birds draw a number of their kin, all seemingly willing to help defend the endangered home of that member of their tribe.—Charles Hofmeister, Ind. Ter.

pear state. I have seventy fruit trees in my garden. Sixty varieties of apples growing. Thirty grape vines, 5,000 ginseng roots. Thirty varieties of strawberries and lots of other fruit. I took thirty-five first premiums at our county fair this year, and I believe good care pays.—George W. Kellogg, Wisconsin.

How to Grow Apples.—The possible range of apple growing in the United States is very great, says United States Bulletin No. 113. Perhaps two-thirds of the settled portion of our country is more or less adapted to the growth of this staple fruit, and within that range there are but few cases where the farmer is excusable if he allows his family to go hungry for apples.

So well known are the uses of the apple that little need be said upon this subject. No fruit known to the cultivator in the north temperate zone can take the place of the apple as a food product. As a culinary fruit none excels it. It graces the table in a greater variety of forms than any other, and as a dessert fruit few are its equal and none its superior. Its juice when extracted makes an excellent and wholesome beverage and for vinegar it has no rival. As a market fruit it is one of the easiest and least expensive to handle, and usually finds a ready market if well grown and handled with that end in view.



This interesting photograph represents A. M. Johnson, a subscriber to Green's Fruit Grower, and his good wife enjoying an afternoon ride. In the background may be seen a thrifty and productive apple orchard owned by Alfred Krienitz, of Milwaukee county, Wisconsin. Those who have thought Wisconsin to be too far north for the best apple orchards will see their mistake when they look upon this picture.

Nov. 21, 1907, Lord & Thomas, Chicago.
Dear Sir: The official report of the bank commissioner, just issued, shows that there is now on deposit in the banks of Kansas the sum of \$165,000,000, which breaks all records. Never before has there been such a large amount of money in the banks of this state.

The official report of the state agricultural department, just made public, shows that Kansas now has wheat, corn and other products ready for market worth at prevailing prices over \$200,000,000—also a record-breaker—and there is active demand for these products at good prices.

Never before were the people so prosperous or business conditions so favorable for advertisers.—Arthur Capper.

Profitable Pear Growing.—Mr. Peck, a well known fruit grower near Rochester, N. Y., reports to Green's Fruit Grower that he sold this year 300 barrels of Bartlett pears at \$8.00 per barrel or \$2,400 worth from — acres. He sold 11 barrels of Seckel pears for \$114.00 or nearly \$12 per barrel.

Editor of Green's Fruit Grower: Every orchardist who has taken proper care of his fruit trees is reaping his reward this year, and every year. Even when the trees are resting they are getting ready for a full crop, they need the continual spraying, pruning, care and culture in the off years, just the same when full of fruit. All through Wisconsin there are orchards loaded and every orchard has some varieties bearing abundantly. This is a case where trees are well cared for. Plenty of shiftless farmers, whose old trees are starved to death, never a load of manure given, pruned only by cattle, never sprayed. You can just guess that boys are the ones who know what trees have good apples in their neighbors' orchards. I found whole sections of neglected orchards in Chautauqua county, New York, this year. No pruning, no spraying, no fertilizing and a half crop of very poor fruit.

In my own garden at Lake Mills just one city lot, I sprayed seven times. I had one apple tree loaded to the ground, no worms or scab. Grapes never so full. One pear tree just bowed to the ground with fruit and Wisconsin is no

The apple orchard will often bring the farmer better returns for his outlay than any other portion of his farm, acre for acre. The product of a single tree will sometimes sell for \$10 or more, and fifty such trees can be grown on an acre of land. Though we may not always count on such large returns, we may safely expect the orchard to do its full duty one year after another, especially if we first do our duty by it.

The poet Longfellow gives us this inspiring canticle of "Old Age."

It is too late! Ah! nothing is too late! Till the tired heart shall cease to palpitate.

Cato learned Greek at eighty; Sophocles wrote his grand Oedipus, and Simonides bore off the prize of verse from his contemporaries.

When each had numbered more than four score years.

And Theophrastus at four score and ten had begun his "Characters of Men." Chaucer, at Woodstock with the nightingales.

At sixty wrote the "Canterbury Tales." Goethe at Weimar, toiling to the last, completed "Faust" when eighty years were past.

When then! Shall we sit idly down and say

The night hath come; it is no longer day? The night hath not yet come; we are not quite

Cut off from labor by the failing light; Something remains for us to do or dare, Even the oldest tree some fruit may bear. For age is opportunity no less. Than youth itself, though in another dress; And as the evening twilight fades away The sky is filled with stars, invisible by day.

Gulls and Clams.—Gulls are especially fond of the long clams, and many gulls spend their feeding time on the sand flats at low tide getting the clams. The gull takes the clam in its bill, then flies high up in the air, over a rock and drops the clam so that the shell will smash on the rock. The gull then descends and enjoys the dainty. In winter a gull will drop a clam on an icy place, if convenient, instead of a rock. The gull seems wiser than his name implies.

FREE BOOK ABOUT CANCER.

CANCEROL has proved its merits in the treatment of cancer. It is not in an experimental stage. Records of undisputed cures of cancer in nearly every part of the body are contained in Dr. Leach's new 100-page book. This book also tells the cause of cancer and instructs in the care of the patient; tells what to do in case of bleeding, pain, odor, etc. A valuable guide in the treatment of any case. A copy of this valuable book free to those interested. Address, **DR. L. T. LEACH, Box 93, Indianapolis, Indiana.**

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LOMBARD PLUMS.

High Grade Fruit Trees Plants and Vines.

We are offering plum trees at special low prices for spring planting. A patron writes us that he has 185 plum trees in bearing which have yielded four or five bushels of plums per tree each year for the last six years. Select from the following list such varieties as you need.

BURBANK, ABUNDANCE, THANKSGIVING Red June, Climax, LOMBARD, SHIPPER'S PRIDE, GUEII, Bradshaw, Niagara, Reine Claude, and Wickson. York State, German, and Felleberg prune trees.



GUEII PLUMS.

70,000 PLUM TREES AT BARGAIN PRICES

Our prices are lower for PLUM TREES TRUE TO NAME than those of other reliable growers.

ALSO, APPLE, CHERRY, AND PEACH TREES AT LOW PRICES.

150,000 Apple Trees

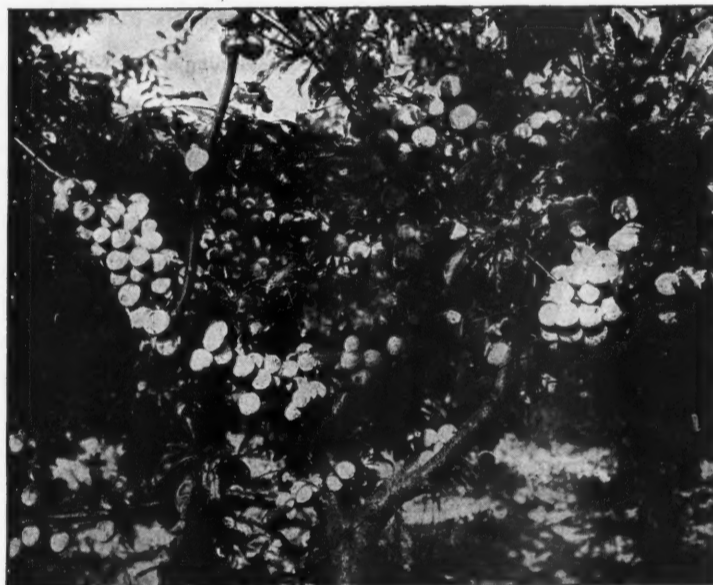
The Apple, King of Fruits

Our list contains all the best and hardiest varieties. Our prices are lower for apple trees True to Name than those of other reliable firms.

75,000 Pear Trees

Standard and Dwarf.

Our land is somewhat clayey and very rich which produce the finest trees. We have all of the standard varieties, Anjou, Bartlett, Clapp's Favorite, Flemish Beauty, Kieffer, Seckel, Wilder Early, Duchess, and Clairgeau.



Burbank Japan Plum Tree in Fruiting.

A patron sending the above "Photo" states that this is one of the 1400 Burbank plum trees he has from which he sold 2200 bushels of fruit, six years after planting.

100,000 Peach Trees

We make a specialty of Peach trees which are grown on land particularly adapted for peach growing. Our leaders are, Niagara and Elberta, the two most profitable peaches grown. Also, Early and Late Crawford, Champion, Crosby, and Chair's Choice. All northern grown trees free from yellows and other diseases.

50,000 Cherry Trees

This is one of the neglected fruits, yet the most profitable of all stone fruits for some sections. Our leading varieties are, Montmorency, Early Richmond, English Morello, Black Tartarian, Napoleon Gov. Wood, and Windsor.

GREEN'S TREES DIRECT FROM THE GROWER AT 35 PER CENT. LESS THAN TREE AGENTS PRICES.

ORNAMENTAL TREES

Write us and we will help you in selecting attractive and desirable varieties for your grounds. Our specialties are, Hardy Catalpa, Sugar Maple, American Elm, Carolina and Lombardy Poplar Trees, Flowering Shrubs, Vines, and Roses, in a large assortment. Should you not find offered in catalogue what you need write us for Special Prices.



Bartlett and Kieffer Pear Trees.

For 28 years we have been growing and selling trees TRUE TO NAME direct to the planter.

Green's Nursery Company:

I have bought trees and plants of you every year for twenty-five years. I have always found your stock to be first-class in every particular and every tree, shrub, or vine purchased has been TRUE TO NAME. I consider this a remarkable record. I have one of the most attractive and productive orchards in the state all trees of which came from you. I have always found your firm honorable and honest in every way.

BELLOWS FALLS, VT.

A. A. H.

SEND US A LIST OF WHAT YOU NEED FOR SPECIAL BARGAIN PRICES.

GREEN'S CATALOGUE for 1908 explains how you can secure bargains in PLUM, APPLE, PEACH and poplar trees, blackberries, raspberries, grapes, and asparagus plants. So, if you want this valuable catalogue Free, just say so on a postal card and it will be sent you early in January.

Green's Nursery Company,

No. 7 Wall Street,

Rochester, N. Y.



Our Leaders—Niagara and Elberta Peach.

Gen-as-co Ready Roofing.

Water-proof, sun-proof,
air-proof, cold-proof, heat-
proof, wind-proof, spark-
proof, acid-proof, alkali-
proof, rust-proof, rot-proof,
and proof against drying-out
and cracking.

Write for proof-book 30 and sam-
ples.

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PAVING COMPANY

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PHILADELPHIA

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**BETTER WORK
LESS LABOR**

Two things much desired by every farmer. Two things you're sure to get in Iron Age Implements. For over 70 years they have been recognized the leaders because they do better work, do it easier, do more of it, and thus save hired help. Exceptionally well made, durable. Our No. 6 Combined Double and Single.

IRON AGE

Big Wheel Hoe, Hill and Drill Seeder, shown here, is the most complete tool made. 1908 catalog free.

HATMAN MFG. CO.
Box 1603
Greenville, N. J.

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"FRUIT GROWERS FAVORITE"
PRUNING SAW**

Is recommended by leading Fruit Growers, Nurserymen, and Horticultural Societies, as the best pruning tool on the market. By Farmers and Agriculturists as the handiest and most practical. One man being able to do more than three with any other trimmer.

Agents wanted all over the United States to sell this wonderful saw. Sent anywhere in the United States for \$1.50. Address all letters to

**"FRUIT GROWERS FAVORITE" MFG. COMPANY,
SCOTTSVILLE, N. Y.**

**Cattle Manure
In Bags** Shredded or Pulverized

Best and safest manure for florists and greenhouse use, absolutely pure, no waste, no danger. Write for circulars and prices.

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27 Union Stock Yards, Chicago**

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Best and cheapest.
Send for catalogue.

**BOOMER & BOSCHERT
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"TAKE OFF YOUR HAT TO THE MYERS"

The Pump that pumps easy and throws a full flow. The cheapest pump is the Myers Pump, that's a Myers Pump. Hay Tools & Barn Door Hangers. Send for catalog and prices.

**F. E. Myers & Bro.,
Ashland, Ohio.**

**ASHLAND PUMP AND
HAY TOOL
WORKS**

Fruit Farm Stories

AN EDITOR'S ROMANCE.

Written for Green's Fruit Grower.

On the 10th of April, 1881, a young man was riding over the muddy and rutted country roads leading to the nearest railroad station. He was plainly dressed. His wagon, horse and harness were not such as would be on exhibition at the country fair or at the horse show in New York city.

There was nothing about this young man or his equipment to attract attention, except that the young man's face expressed determination, force and hope. Wearily the horse plodded along, splashing through the mud which dropped in great slabs from each wheel of the wagon.

On arriving at the station the young man stood upon the platform looking toward the city 12 miles away as though he was expecting something or somebody. Soon a train of cars appeared in the distance, and in a few moments the snorting engine had stopped before the station. From the doorway of one of the cars appeared a girl, not over eighteen years of age, carrying in her arms a babe. She too had an eager look of expectation which was answered in the face of the waiting man, who helped her to alight, taking the child in his arms after imprinting a warm kiss upon the lips of his wife.

This young woman was a city-bred girl. She knew nothing of rural life. She had cried herself to sleep many nights previous to her departure from the city, and had shed more tears on her brief journey to the station to meet her husband, who had been compelled to leave the city through business misfortunes, to take up his life work anew on a run down and dilapidated farm, located about four miles from this railroad, and thirteen miles from the city.

Slowly the old horse splashed his way homeward through the muddy road. The front seat of the wagon contained but one passenger, the husband, the back seat but two, the wife and the baby. How dreary the country looks in April even to those who are prosperous and happy. Far more dreary it looks at that season, before the buds have opened and the birds have arrived, to those accustomed to well paved city streets, and who are about to begin rural life under adverse circumstances.

This young wife had determined to meet her changed condition bravely, but she could not forget the happy city life which she was leaving, surrounded by father, mother, sisters, school-mates and friends.

"How did you get along through the lonesome weeks when you were at the farmhouse alone, doing your own cooking and tending to the affairs of the dwelling?" asked the wife.

"I had no trouble with the cooking. We lived mostly on ham and eggs, milk, and bread and butter. We had ravenous appetites. Everything tastes good when one is hungry," replied the husband.

"Is the house so very old?" asked the wife.

"The house was built 60 years ago by a pioneer farmer. In those days it was considered a palace, but now you will look upon it differently, for times have changed in dwellings, and this one is worn and battered. But there is one feature in it that you will admire, and that is the fire-places. There is a great cooking fire-place in the kitchen, with brick oven and cranes upon which to hang the kettles. In the parlor and in the room above are great fire-places, of which I have made the most during the cold and stormy nights that I passed alone in this old building. In the rear of the house is a monstrous woodshed, of great utility in past years when nothing but wood was burned, but of no particular use now, therefore it is my plan to divide it into a kitchen and store rooms."

"How about the farm? Is it such a terribly lonesome place?" asked the wife.

"It does seem a bit lonesome at this season of the year, particularly to strangers. I can imagine that it was a bright and attractive place to the former owners whose children were born here, and who made their fortunes on this fertile soil. It is located off from the main road, where few travelers pass, therefore we will not be disturbed by the rattle of wagons over the stony road, or by dust raised during the season of droughts by

passing vehicles. There is a beautiful brook running through the center of the farm that never fails, and near by are wooded tracts where squirrels, partridge, woodcock and song birds nest and seek seclusion."

"And how about the church and schools?" asked the wife.

"There is a church at the little village a mile away and a school-house. You must not expect too much of the little village. The most it can boast of is its church, school, grocery, blacksmith shop, mill and hotel."

"And are the inhabitants of this village, nice people?" asked the wife.

"Yes, they are good honest farmers, or farmers' sons and daughters. In my opinion those who live in villages like this are fully up to the average intelligence of the people in cities. They are generally well read and interested in practical subjects."

"I believe that I can see our house now," exclaimed the wife.

"You are right. That is the house a mile away through the vista of the valley bordered with forest trees. I wonder that you could identify it so easily."

How little this young married pair dreamed that in a few months they would be in love with rural life. How little they thought that in the years to come they would become a part of the village life, arranging Chautauqua circles, farmers' institutes, concerts, lecture courses, debating societies, a Young Men's Christian association, etc. Neither did they dream that they would learn to love the good people who were their neighbors, and who afterwards became lifelong friends.

Beginning a New Life.

"Were there servants in this farm house? Was there a maid to dress and comb the hair of the wife, and to wait upon her, and another maid to cook and work in the kitchen?"

"No there were no servants. Blessed is the home where, without over exertion, the wife can with her own hands prepare the meals for each day."

"Was this an unhappy home on account of the poverty of its occupants?"

"No. One day a man and his wife drove up to this house and the wife sat in the wagon while the husband was engaged in talking over business affairs in the fields. On his return she said, 'This must be a happy home, because the wife has been singing every moment of the time that I have been waiting.'"

"Is rural life a martyrdom for the woman who has been bred in the city?"

"No. The fifteen years that this young wife spent on this secluded farm were the happiest days of her life. When at the end of the fifteen years she was compelled to leave the farm she shed tears as she did when she left the city for the farm."

"What did the husband do on this farm in order to make a living and to get a start in the world?"

"He grew strawberries, raspberries, blackberries, currants, gooseberries, grapes, apples, peaches, pears, plums, quinces. Here on this old farm thirteen miles from the city he started a horticultural publication."

"Strange, was it not, that the magazine which has since become better known, with more subscribers, than any other similar publication ever published in the history of the world, should have been started in this secluded spot under such unfavorable circumstances? The editor and publisher was without capital. His farm was mortgaged for more than it was worth. How could it be possible that the enterprise should succeed under such adverse circumstances? Publishing is a hazardous enterprise at best. Tens of thousands of men who have had ample capital have failed as publishers. One Rochester, N. Y., publisher lost \$100,000 on a magazine. The work was taken up by another firm who made a great success of it. The expense of printing and mailing and managing a magazine is great. There is a continual out go of money, and returns in the way of subscriptions are often small and uncertain."

"How was it then that this man succeeded?"

"First for the reason that he began in a small way. It was a small publication. The editor did almost all the work himself. He was satisfied with a few subscribers and a small income during the first years. He remembers that the first subscriber came from Pomfrets Landing, Conn. He will never forget the name of this post-office, and if possible he will some time visit that place.

Stokes SEEDS Standards

I want every reader of the Green's Fruit Grower to write for my 1908 catalogue—free. It explains my new way of selling seeds—how I select the best of each variety and relieve the purchaser of the trouble and risk. It also shows photographs of superb specimens that have been grown from my seeds and tells how you can secure equally good results. My

"Bonny Best" Early Tomato
will interest you. Most carefully bred strain ever produced.

30c worth for 10c

You can have my catalogue free; or if you send me 10c in stamps and mention this paper I will send you the catalogue and 10c packets each of my "Bonny Best" Early Tomatoes, "Stokes' Standard" Sweet Peas and "Stokes' Standard" Nasturtiums. Each unequalled in its class. Write today.

STOKES' SEED STORE

Dept. H. 219 Market St., Philadelphia

Please mention Green's Fruit Grower.

GREGORY'S SEED CATALOGUE FOR 1908

We catalogue this season several choice new vegetables of sterling merit.

EARLY MORNING PEAS
the earliest, largest podded pea known. One farmer harvested 50 bushels from one planted and received from \$3 to \$3.50 per bushel. Quality of the best.

GREGORY'S EARLY EXCELLENCE, the best second early low growing pea without any exception. A great favorite with the leading gardeners.

"Big Crop", our new white potato, out-yields all the well-known varieties, is less affected by rot, is deliciously mealy. Let us tell you all about it. Catalogue free.

J. J. N. GREGORY & SON, MANHATTAN, MASS.

Please mention Green's Fruit Grower.

**110 VARIETIES
STRAWBERRIES**

If you want Strawberry Plants the best, strongest, most vigorous and most prolific that can be grown in a good, favored strawberry climate, I am selling that kind at reasonable prices. Millions of them packed to carry anywhere. Also other small fruit plants and special seeds. My Free Catalogue tells about them and gives the price. If interested, write for it today. Address

**W. F. ALLEN
36 Market St. Salisbury, Md.**

VICK'S GARDEN AND FLORAL GUIDE FOR 1908
FREE JAMES VICK'S SONS, 418 Main St., Rochester, N. Y.

WE WANT TO SEND EVERY GARDENER AN ASSORTMENT OF GARDEN SEED FREE

When we say Free we mean Free, we do not ask you to do any work or pay us one cent. We want you to try our seeds, this year, at our expense. Next year we know you will send us your order without any urging.

OUR GREAT OFFER
Send us your address today and we will send you by return mail an assortment of Garden Seeds such as Radish, Lettuce, Cabbage, Onions, Beets, Cucumber, Etc., also our big 1908 Garden Guide, Absolutely Free. Write today, a postal will do.

**ST. LOUIS SEED COMPANY
704-706 N. Fourth St., St. Louis, Mo.**

\$2.25 WORTH FLOWERS FOR 25c

We will send you this GRAND collection of SEEDS and BULBS

20 Pkts. Seeds Sweet Peas, Carnations, Anthers, Verbena, Salvia, etc.

20 Bulbs Gloriosa, Hardy Lily, Spotted Calla, Gladiolus, Tuberoses, etc., and our 1908 Catalogue with a FREE RETURN CHECK giving you your money back, all for 25c.

**J. ROSCOE FULLER & CO.,
Box 121 Floral Park, N. Y.**

FOR 10 Cts.

Five pkts. of our new Early Flowering Carnations, Scarlet, White, Pink, Maroon, Yellow. Bloom in 30 days from seed, large, double, fragrant and fine colors. All 5 pkts with cultural directions and big catalogue for 10c, post-paid. Will make 5 lovely beds of flowers for your garden, and many pots of lovely blossoms for your windows in winter.

Catalogue for 1908
—Greatest Book of Novelties—Flower and Vegetable Seeds, Bulbs, Plants Shrubs, Fruits, 150 pages, 500 cuts, many plates—will be mailed Free to all who ask for it.

JOHN LEWIS CHILDS, Floral Park, N. Y.

"In those early days, nearly thirty years ago, there were few papers or magazines, and scarcely any devoted to horticulture, therefore the modest beginning of this publication was considered quite an event, and was noticed widely throughout the country. Prominent horticultural editors, such as John J. Thomas, John A. Warder, Patrick Barry, Marshall P. Wilder, George W. Campbell, A. J. Downing and others."

"How did the enterprise grow?"
"Not by leaps and bounds. It did not come up in the night like a mushroom. It had a slow growth like the oak. The encouraging feature was that though the growth was slow, it was continuous. Each year the number of subscribers increased. Finally it was necessary to take on an assistant whose intention it was to have an interest in the publication. He was told by the editor that he was so far encouraged with the results of past years, as to believe that it was possible that it might in time have a circulation of 25,000. At that time it had a circulation of 10,000 or 15,000 copies. This indicates that the proprietor did not dream at that time of the possibility of ever having 125,000 subscribers, which the publication has at the present day. So you see that sometimes the results of coming events are greater than our expectations."

Early Recollections.

The first office of Green's Fruit Grower, for this is the publication I am writing about, was in one corner of the dining room of the old farm house in which the editor lived. In this room was a bookcase. At one end of the bookcase in front of a window a wide board was placed. This board, this bookcase, and this small room, was too large to meet necessities of the early days in the history of this publication. There was no assistant editor, no advertising manager, no circulation manager, no army of mailing clerks, no entry clerks, and no book-keeper. Everything was done by one man.

Green's Fruit Grower was printed at Rochester, N. Y. Each edition was sent to my nearest village by stage. The papers, then were brought to the farm, where wrappers were addressed and the papers were wrapped. Later these wrapped copies of Green's Fruit Grower were sent back to the village and from there to the city to be mailed at Rochester, N. Y.

Sometimes during the winter months it was impossible to reach the village with horses on account of the roads being filled with impassable snow banks. On one of these occasions a number of men were employed who walked to the village for the bundles of papers. On returning each man carried upon his shoulder as many copies as possible of the paper.

Would it not have been better had this publication been started by a man in New York city or some other large place? No, it would not. It was well that Green's Fruit Grower was started on a fruit farm. A fruit grower's journal should smell of the furrow. It should have in it the scent of the apple, pear and quince, and the hopeful song of the lark. In reading it, you should be reminded of blossoming orchards and berry fields. Farm publications that have been edited between the brick walls of cities have not been a notable success.

But what about the future of Green's Fruit Grower? That, kind reader, depends largely upon yourself and other subscribers. The editor and publisher has done his best at this life work, which he began under such notably adverse circumstances. He can only succeed in the future through the loyalty of his patrons. If you fail to renew your subscription this gives the editor and publisher discouragement. If you delay in subscribing you discourage him and throw cold water upon his enterprise.

How can you assist him?
You can assist him by renewing your subscription promptly and by speaking a good word for the publication to your neighbors and friends. We wish to thank the thousands of old subscribers who have taken our paper year after year and who have greatly aided us in extending its usefulness.

Spectacled Eagles.—Many birds are provided with natural spectacles, a transparent membrane called the third eyelid, says Detroit "Free Press." This third eyelid, when not in use, lies folded in the inner corner of the eye. Two muscles work it, spreading it over the cornea or folding it up again much more cleverly than a man can put on or take off his spectacles. But for its third eyelid the eagle could not look at the sun.

The fewer our wants the more we resemble the gods.—Socrates.



This interesting photograph sent us by A. M. Johnson, of Wisconsin, may lead some of our readers to suppose that the children have been caught in some mischief, but the truth is that they are simply watching the fruit of a favorite peach tree, ripening in their own garden. There is no better way to prevent the theft of fruit by children than to give the little folks an ample supply of fruit grown on their own home grounds.

Do It Now.

Written for Green's Fruit Grower by James A. Green, Detroit, Mich.

Journeying along life's road,
Toward the haven hope holds dear,
Each one bearing his own load,
Give the weary traveler cheer;
Do it now.

Every heart its own grief hath,
Every soul its weight of woe,
Struggling down the thorny path,
Let some act of kindness show,
Do it now.

Flowers piled on coffin lids,
Wreaths on graves of the departed,
Had better been bestowed on them,
While struggling on half broken-hearted.
Do it now.

The span of life is brief at best,
Far too brief for word or deed,
That hurt or cause a heart unrest,
Or pains a suffering soul in need.
Do it now.

Raise the head that's bowed with grief,
Clasp the hand that's weak and cold,
Whisper words of love and cheer,
To the worthy poor and old.
Do it now.

Quaker Reflections.

The card player should beware of double dealing.
Give a man back talk and he is apt to take affront.

It isn't every chauffeur who could write his autobiography.
There isn't much difference between work and play with the professional musician.

At any rate, the kid at the foot of the class can generally lick the boy at the head.

A good many things have been done in the name of charity, and a good many people, too.

It's all in the point of view. What is one man's hobby would be a nightmare to another man.

Many a man gets the reputation of being well informed because people happen to ask him the things he happens to know.

The skeptic is inclined to take a thing with a grain of salt, but it is different with the suburbanite. He takes things with a couple of grains of quinine.—Philadelphia "Record."

In the last ten years the leading railroad lines of the United States have spent upwards of eight hundred million dollars for engineering work to eliminate the time factor, and they have saved thereby something like thirteen or fourteen hours in their regular schedules, making the approximate cost of each minute gained an average of one million dollars.

In Boston, for instance, the construction of the new Union station, which will facilitate the suburban traffic so that several minutes can be saved on each train, the cash cost of each minute to the train has been placed at a little less than three million dollars. The total cost of the improvements amounted to fourteen million dollars, and the average time saved is about five minutes a train.

This is what Cicero told the people of Rome: "We admire ourselves, conscript fathers, as much as we please; still neither by numbers did we vanquish the Spaniards, nor by bodily strength the Gauls, nor by cunning the Carthaginians, nor thorough the arts the Greeks, nor, in fine, by the inborn and native good sense of this our nation, and this our race and soil, the Italians and Latins themselves; but through our devotion and our religious feeling, and this, the sole true wisdom, the having perceived that all things are regulated and governed by the providence of the immortal gods, have we subdued all races and nations."

DON'T PAY TWO PRICES FOR STOVES & RANGES

Order direct from our Stove Factory and save for yourself all jobbers' and Dealers' big profits.

Hoosier Stoves and Ranges

"The best in the world." Are sold on 30 days' free trial. We pay the freight. Guaranteed for years, "backed by a million dollars." Hoosier's are "fuel savers and easy bakers." Very heavily made of highest grade selected material, beautifully finished, with many new improvements and features. Our large Stove and Range Catalog shows the greatest bargains ever offered. Write for catalog and Special Free Trial Offer. Hoosier Stove Co., 212 State St., Marion, Ind.

HOOSIER STEEL HOOSIER IRON

Please mention Green's Fruit Grower.

SEEDS

\$1.50 Worth to Test Only 10 Cents

We ask you to try our Superior Seeds. One Trial will make a Customer. We will mail one Full Packet each of the following 15 Grand New Sorts for only 10 cts. These would cost at least \$1.50 elsewhere.

BET. Perfected Red Turnip, earliest, best.
CABBAGE. Winter Header, sure header, fine.
CARROT. Perfected Half Long, best table sort.
CELERY. Winter Giant, large, crisp, good.
CUCUMBER. Family Favorite, favorite sort.
LETTUCE. Iceberg, heads early, tender.
MUSK MELON. Lucious Gem, best grown.
WATERMELON. Bell's Early, extra fine.

ONION. Prizetaker, wt. 3lbs. 1000 bush. per acre.
PARSNIP. White Sugar, long, smooth, sweet.
RADISH. White Icicle, long, crisp, tender, best.
TOMATO. Earliest in World, large, smooth, fine.
TURNIP. Sweetest German, sweet, large.

Flower Seeds, 500 sorts mixed, large packet.
Sweet Peas, 1/2 oz. California Giant's Grand Mxd.
Catalogue and Check for 10 cts. free with order.
J. J. BELL SEED CO., Deposit, N. Y.

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We will pay you \$100.00 PER MONTH & EXPENSES

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DISH WASHERS AND CLOTHES WASHERS



The SANTO Dishwasher washes, rinses and dries in 10 minutes. You couldn't break your dishes in it if you tried, and you don't have to soil your hands a particle. Simply put in your dishes, turn a crank a few times and you are through. Think what a lot of time and hard work this saves you. It amounts to about 300 hours, or 30 days of 10 hours each, saved every year by this wonderful device. You can't afford to be without it.

The SANTO is the greatest of all home help—used as often as your cook-stove. A very low price makes it easy to own. Write today for free booklet, whether you want to work for us or not.

SAMPLE WASHERS FREE TO AGENTS
Give age, number in family, and state how long you have lived in your community. Our great selling plan will make you successful from the start, without previous experience, and you will get your sample Washers Free. Address, **PRINCE MANUFACTURING CO., Dept. 30C, Chicago, Ill.**

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HURST SPRAYER ON FREE TRIAL

No Money in Advance—pay when convenient. The "FITZ-ALL" fits on to any barrel or tank. Sprays all solutions. Proven best and most durable. Guaranteed Five Years. Brass Ball Valve Cylinder, Pump, etc. Strainer Cleaner and 3 Agitators. 200 lb. pressure. A boy can operate it. Doubles Your Crops. After trial if you keep it, pay when you can. Wholesale price where no agent—Agents Wanted. Sprayers is our specialty—you get the benefit of our 20 years' experience.

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Our Big Dollar Offers

Sent to same or separate addresses. Here are 29 different combinations. Any one combination will be sent to you one year for \$1.00. Magazines in combination may be sent to different addresses.

Green's Fruit Grower	\$ 50	Green's Fruit Grower	\$ 50	Green's Fruit Grower	\$ 50
Vick's Magazine	50	Vick's Magazine	50	Home Magazine	1 00
Modern Priscilla	50	Reliable Poultry Journal	50	Farm and Fireside	25
American Poultry Advocate	50	Farmer's Wife	25		
Green's Fruit Grower	50	Green's Fruit Grower	50	Green's Fruit Grower	50
American Bee Journal	50	McCall's Magazine	50	Housekeeper	1 00
Metropolitan and Rural Home	20	Farm and Home	50	Missouri Valley Farmer	20
				Farmer's Wife	25
Green's Fruit Grower	50	Green's Fruit Grower	50	Green's Fruit Grower	50
Home Magazine	1 00	Home Magazine	1 00	People's Home Journal	35
Vick's Magazine	50	Farm and Fireside	25	Housekeeper	1 00
Green's Fruit Grower	50	Green's Fruit Grower	50	Green's Fruit Grower	50
Ladies' World	50	Farm and Home	50	McCall's Magazine	50
Metropolitan and Rural Home	20	Vick's Magazine	50	Farmer's Wife	25
		Housewife	35	Household Realm	30
Green's Fruit Grower	50	Green's Fruit Grower	50	Green's Fruit Grower	50
Poultry Keeper	50	McCall's Magazine	50	New York Tribune-Farmer	1 00
Farm and Home	50	Farm and Fireside	25		
Green's Fruit Grower	50	Green's Fruit Grower	50	Green's Fruit Grower	50
Prairie Farmer	1 00	Harper's Bazaar	1 00	American Boy	1 00
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American Magazine	1 00	Farm and Fireside	25	Green's Fruit Grower	50
Green's Fruit Grower	50	Poultry Keeper	50	Cosmopolitan	1 00
McCall's Magazine	50	Farmer's Wife	25	Green's Fruit Grower	50
Vick's Magazine	50			Housekeeper	1 00
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American Boy	1 00	Ladies' World	50	Green's Fruit Grower	50
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Green's Fruit Grower	50	Green's Fruit Grower	50	Green's Fruit Grower	50
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Green's Fruit Grower, Rochester, N. Y. Gentlemen: Enclosed find \$1.00, for which send the following publications for one year to addresses given. Cut out the combinations you want and pin it in the corner of the coupon.

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New Scientific Appliance, Always a Perfect Fit—Adjustable to Any Size Person—Easy, Comfortable, Never Slips, No Obnoxious Springs or Pads—Costs Less Than Many Common Trusses—Made for Men, Women or Children.

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I have invented a rupture appliance that I can safely say, by 30 years' experience in the rupture business, is the only one that will absolutely hold the rupture and



C. E. Brooks, the Inventor.

never slip and yet is light, cool, comfortable, conforms to every movement of the body without chafing or hurting and costs less than many ordinary trusses. There are no springs or hard, lumpy pads and yet it holds the rupture safely and firmly without pain or inconvenience. I have put the price so low that any person, rich or poor, can buy, and I absolutely guarantee it.

I make it to your order—send it to you—you wear it, and if it doesn't satisfy you send it back to me and I will refund your money.

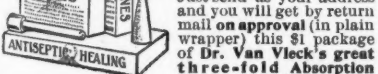
That is the fairest proposition ever made by a rupture specialist. The banks or any responsible citizen in Marshall will tell you that is the way I do business—always absolutely on the square.

If you have tried most everything else, come to me. Where others fail is where I have my greatest success. Write me to-day and I will send you my book on Rupture and its Cure, showing my appliance and giving you prices and names of people who have tried it and been cured. It is instant relief when all others fail. Remember I use no salves, no harness, no lies. Just a straight business deal at a reasonable price.

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Just send us your address and you will get by return mail on approval (in plain wrapper) this \$1 package of Dr. Van Vleck's great three-fold Absorption Remedy which is curing thousands in every stage of this cruel disease without surgery or pain. If satisfied with benefits received, then send us \$1. If not, keep your money. We trust you for fair treatment. DR. VAN VLECK COMPANY, 179 Majestic Building, Jackson, Mich. Write to-day.

Any reader of this paper who will write to The Heppes Co., 3261 Fillmore street, Chicago, and mention this publication, can secure their new, valuable book telling how to put the best ready-to-lay roofing on any kind of a building or structure.

This book covers the whole roofing subject, tells all about The Heppes No-Tar Roofing, how it is made, how fireproofed, and how it should be laid, how it can be done by any man following directions and it should be in the hands of every one of our readers because of the value of this roofing to every man who has a building to cover.

When you write mention this paper and you will get prompt attention.

FROM SNOW TO SOUTHERN SUNSHINE

To fertile lands in a matchless climate, where work may be carried on throughout the entire year, where pleasure and profit are derived from a location blessed by Nature with ideal conditions so necessary to the success of the farmer and grower.

ARE YOU BATTLING AGAINST THE ELEMENTS OF A FROZEN NORTH?

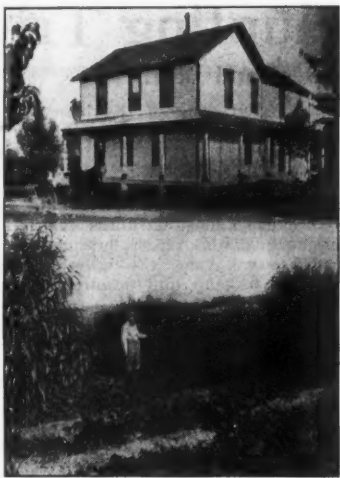
The stock of farmers in our territory are still grazing on the hillsides. The fruit and vegetable growers in the famous Manatee section are now gathering and shipping their products to Northern markets, receiving the highest prices for same due to the season.

Why not make a New Year's Resolution to give up the struggle for existence in your snow-bound location and come where climatic conditions make life a pleasure the year 'round, where lands are equally as productive, prices as good if not better for your crops, and no long winters of ice and snow to contend with?

Let us show you how easily it can be done. Don't sacrifice your life any longer—others are now comfortably located with us and reaping the rewards of their move, who last year were shut in by the sleet and snow of the rigorous North.

Our illustrated literature will help you and give you an idea of the excellent opportunities and conditions existing in the Six Southern States traversed by our line of road. This will be sent free upon request, together with the "Seaboard Magazine" which is prepared especially for the benefit of parties contemplating a change of location. A postal is all that is necessary.

J. W. WHITE, General Industrial Agent, SEABOARD AIR LINE RAILWAY, "Dept. K." Portsmouth, Virginia.



O. F. MARVIN'S MICH. HOME AND PEACH ORCHARD.

Real Opportunity.

They do me wrong who say I come no more. When once I knock and fail to find you in. For every day I stand outside the door And bid you wake, and go to fight and win.

Though deep in mire, wring not your hands and weep; I lend my arm to all who say "I can;" No shamefaced outcast ever sank so deep But yet may rise and be again a man!

Weep not for precious chances passed away, Weep not for golden ages on the wane; Each night I burn the records of the past, At sunrise every soul is born again.

Sermons Boiled Down.

When ambition weds avarice aspiration dies.

It takes more than sentiment to make a saint.

A good hoe is a first class prayer against weeds.

The religion you can live by will do to die by.

The man who stops for praises misses perfection.

The evil we remember is surpassed by the good we forget.

The double mind never comes from an excess of brain.

The church with a head for gold usually has a heart of wood.

The world will never be driven to God by advertising the devil.

Inclination always furnishes the most convincing argument.

The largest gifts to God cannot cover the least robbery of man.

Watch your works and your wings will take care of themselves.

Some men hope that a golden crown will give them a golden mind.

Fashion leads many to starve the inmates in order to paint the house.

The song in your own heart will sustain you longer if you share it.—Chicago "Herald."

Why Die?

"A man ought to feel himself disgraced if he dies of anything excepting old age, and he should live to reach the century mark," declared Dr. Wiley. "I made that statement to college boys in Cleveland several days ago, and it seems to have excited universal discussion. It is true that we are all living longer. The average of mankind is five years greater now than it was several years ago.

"Old age should be the medium of the reaper, and the advancement of science will practically keep the reaper busy with old age as his own mowing machine. Nowadays a boy starts in at his task of learning when he is six years of age. Twenty years of study bring him to twenty-six years of age, does him no harm, and he has lost nothing, for the time of man on earth is constantly being extended.

"My directions for the man who wants to live a hundred years is to eat plenty of good wholesome food."

A lake of quicksilver, covering an area of more than three acres, and having a depth ranging from ten feet to fifty feet, has been discovered in the mountains of the state of Vera Cruz, Mexico, says "Dundee Advertiser." The value of the product is estimated at millions. This lake has been known to the Indians for many generations. It is situated far up in the mountains in an almost inaccessible position. Its surface is partly covered by stones. It is believed that volcanic action in the mountains above smelted the quicksilver out of the cinnabar ore, and that it ran down and filled the depression. A tunnel will be driven through the base of the mountain and the quicksilver will be brought down by means of gravity.

How to Earn Pin Money.

During the winter months many thousand dollars will be earned by boys, girls and older people by securing subscribers for such publications as they are reading and can recommend to their neighbors and friends. You can earn good money by showing a copy of Green's Fruit Grower to your neighbors and relatives and securing their subscriptions. We are anxious to get new subscribers and will pay you well for your service in securing them. You may offer Green's Fruit Grower and Green's book, "How We Made the Old Farm Pay at Fruit Growing" for 50 cents a year, and if these are new subscribers you can retain 25 cents for each subscription received. Notice that we will not accept renewals from old subscribers at this special low rate which is intended only for new subscribers. You will not only make money yourself, but you will do me a great favor if you will make this effort.—Charles A. Green.

Working Hours of Birds.

"Our hours," said a nature student, "are nothing to the birds. Why, some birds work in the summer nineteen hours a day. Indefatigably they clear the crops of insects, says the New Orleans "Times-Democrat."

"The thrush gets up at 2:30 every summer morning. He rolls up his sleeves and falls to work at once and he never stops till 9:30 at night. A clean nineteen hours. During that time he feeds his voracious young 206 times.

"The blackbird starts work at the same time as the thrush, but he lays off earlier. His whistle blows at 7:30 and during his seventeen hour day he sets about 100 meals before his kiddies.

"The titmouse is up and about by 3 in the morning and his stopping time is 9 at night. A fast worker, the titmouse is said to feed his young 417 meals—meals of caterpillar mainly—in the long, hard, hot day."

Even the fickle-minded compositor has set ways.

A man isn't necessarily bald because he has no hair.

The man who has no time for an occasional laugh needs a vacation.

Most of the things we wish for are about as useful as a counterfeit dollar bill.

Nothing pleases a large woman more than to have a man call her a dear little girl.

Marriage is seldom a failure if neither party to the contract has any fool relations to butt in.

Occasionally a man balks at doing a charitable deed because someone he dislikes expects him to do it.

When a girl's breath suggests cologne water it is a sign that a certain young man is due to call on her.

A pessimist says there is but one thing more awkward than a man learning to dance, and that is a woman learning to swim.

Gems.—I have told you of the man who always put on his spectacles when about to eat cherries, in order that the fruit might look larger and more tempting. In like manner I always make the most of my enjoyments, and, though I do not cast my eye away from troubles, I pack them up into as small a compass as I can for myself, and never let them annoy others.—Robert Southey.

God cares for everything that He has created; but on the whole earth nothing is so interesting to heaven as the fidelity of the soul, the fidelity of a weak heart and feeble will, endeavoring to overcome temptation. All the glory of earth is pale and faded beside the persevering struggles of such a soul.—Ephraim Peabody.

It ain't never no use puttin' up yer umbrella till it rains.—Mrs. Wiggs.

There is no anodyne for heart sorrow like ministry to others.—F. B. Meyer.

Good Times.—The "American Farmer" has these cheering words: "Farmers have had ten years of good crops and good prices. In most of these years they have had both. Deficiencies in one corn and one cotton crop were more than made good to them by high prices. Last year they took in more money than ever before, and this year they are likely to take in \$1,000,000,000 more than they did last year. They will buy freely many sorts of merchandise, and they will have money to invest. Good business is about as certain as it can be for another year, proving over again that when the farmer is prosperous everybody is prosperous."

Railroad officials who have lately traveled over the whole country report very favorably on the general condition of affairs. The prosperity of the farmer is, of course, at the bottom of all prosperity, and the farmer is doing well.

The most deadly poison known is slothfulness. One thousand-millionth of an ounce is an injurious dose.

Bright's Disease and Diabetes Cured

Under the auspices of the Cincinnati Evening Post Five Test Cases Were Selected and Treated Publicly by Dr. Irvine K. Mott, Free of Charge.

Irvine K. Mott, M. D., of Cincinnati, Ohio, well and favorably known in that city as a learned physician—a graduate of the Cincinnati Pulte Medical College, and of the London, (Eng.) Hospital, has discovered a remedy to successfully treat Bright's Disease, Diabetes and other kidney troubles, either in their first, intermediate or last stages. Dr. Mott says: "My method arrests the disease, even though it has destroyed most of the kidneys, and preserves intact that portion not yet destroyed.



The medicines I use neutralize the poisons that form a toxin that destroy the cells in the tubes in the kidneys."

The Evening Post, one of the leading daily papers of Cincinnati, Ohio, hearing of Dr. Mott's success, asked if he would be willing to give a public test to demonstrate his faith in his treatment, and prove its merits by treating five persons suffering from Bright's Disease and Diabetes, free of charge, the Post to select the cases. Dr. Mott accepted the conditions, and twelve persons were selected. After a most critical chemical analysis and microscopic examination had been made, five out of the twelve were decided upon. These cases were placed under Dr. Mott's care and reports published each week in the Post. In three months all were discharged by Dr. Mott as cured. The persons treated regained their normal weight, strength and appetite and were able to resume their usual work. Anyone desiring to read the details of this public test can obtain copies by sending to Dr. Mott for them.

This public demonstration gave Dr. Mott an international reputation that has brought him into correspondence with people all over the world, and several noted Europeans are numbered among those who have taken his treatment and been cured, as treatment can be administered effectively by mail.

The Doctor will correspond with those who are suffering with Bright's Disease, Diabetes or any kidney trouble whatever, and will be pleased to give his expert opinion free to those who will send a description of their symptoms. An essay which the Doctor has prepared about kidney troubles and describing his new method of treatment, will also be mailed by him. Correspondence for this purpose should be addressed to IRVINE K. MOTT, M. D., 319 Mitchell Bldg., Cincinnati, O.

CONSUMPTION

BRONCHITIS and CATARRH CURED.....FREE

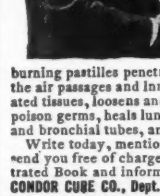
TRIAL TREATMENT OF CONCONDOR INHALATION (California's marvelous discovery) sent to any one afflicted with Consumption, Catarrh, Bronchitis, Asthma, or any nose, throat or lung trouble, to prove that a cure can positively be made at home, without change of climate, loss of time or stomach dosing.

CONDOR INHALATION quickly and directly reaches the affected parts and permanently cures pain in chest or between shoulder blades, raising matter, constant spitting, lingering colds, hoarseness, chronic coughs, tickling in throat, loss of taste and smell, flushed cheeks, night sweats, chills, fever, hemorrhage, foul breath, stuffed nose, head noises, sneezing, shortness of breath, choking, gasping, wheezing, loss of vitality, strength, weight, etc.

Inhaled through mouth or nose, the heated, medicated vapor arising from burning pastilles penetrates to every nook and corner of the air passages and lungs, disinfects and rebuilds ulcerated tissues, loosens and raises mucus, destroys and ejects poison germs, heals lung cavities, affected nasal passages and bronchial tubes, and restores health.

Write today, mentioning your disease, and we will send you free of charge, Trial Treatment, 48-page illustrated Book and information about how to get well.

CONDOR CURE CO., Dept. 191 Los Angeles, Calif.



A LIFE CURE

for Varicocele. My latest methods surpass anything I have ever found. Most cases cured in 10 to 60 days. No pain, no danger, no experiments. Afflicted persons want cures—not experiments. My specialty is varicocele, rupture, stricture and urinary diseases. Illustrated free, in person or by letter. G. ALLAN ROWE, M. D., 60 N. BROAD ST., BUFFALO, N. Y.

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Are Hard to Cure, yet

ABSORBINE

will remove them and leave no blemish. Does not blister or remove the hair. Cures any puff or swelling. Horse can be worked \$2.00 per bottle, delivered. Book 6-C Free. ABSORBINE, JR., for mankind, \$1.00 per bottle. Cures Boils, Bruises, Old Sores, Swellings, Varicose Veins, Varicocele, Hydrocele. Allays Pain. W. F. YOUNG, P. O. F., 11 MCKINSTRY ST., SPRINGFIELD, MASS.

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Cutaway Tools for Large Hay Crops



Cuts a track 5 feet wide, one foot deep. Will plow a new cut forest. His double action Cutaway Harrow keeps land true, moves 1,500 tons of earth, cuts 30 acres a day.



Jointed pole takes all weight off horses and keeps their heels away from the disks.

His Rev. Disk Plow cuts a furrow 5 to 10 inches deep, 14 inches wide. All CLARK'S machines will kill witchgrass, wild mustard, charlock, hardhack, sunflower, milkweed, thistle, or any foul plant. Send for circulars.

Cutaway Harrow Co., 19 Main St., Higganum, Conn.

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This is a genuine offer made to introduce the PEOPLES CREAM SEPARATOR in every neighborhood. It is the best and simplest in the world. We ask that you show it to your neighbors who have cows. Send your name and the name of the nearest freight office. Address: PEOPLES SUPPLY CO., Dept. 127, Kansas City, Mo.

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Try this machine **THIRTY DAYS**, if it does not run lighter, wash cleaner and quicker than any other washer return at our expense. Has Cedar Tub that will last a life-time. Sample machine sold at Special Price to introduce quickly. Write for circular and prices. BLUFFTON CREAM SEPARATOR CO. BOX 10, BLUFFTON, OHIO.

WE BUY FURS AND HIDES
10 to 50% more money for you to ship Raw Furs, Horse and Cattle Hides to us than to sell at home. Write for Free List, market report, shipping tags. \$10,000 B.O.O.K. Hunters' and Trappers' Guide. Best thing on the subject ever written. Illustrating all Fur Animals. Leather bound, 60 pages. Price \$2.00. To Hide and Fur Shippers, \$1.25. Write today. ANDERSON BROS., Dept. 104, Minneapolis, Minn.

Cream Raisers \$3.25 and up
Does all a separator will. Runs itself, no crank to turn, no complicated machinery to wash. Raises cream between milkings, gets more cream therefore more butter. Gives sweet, undiluted skim-milk for house use, calves and pigs. No cracks or pans to handle, no skimming 60,000 gravity separators sold in 1907, more B.O.S.s than any other kind. Best and cheapest separator made. Free Trial Given. Catalogue Free. Write today. Bluffton Cream Separator Co., Box 11, Bluffton, O. Please mention Green's Fruit Grower.



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USEFUL AND BEAUTIFUL
No other firm could afford this but us.
This is the first time we have ever made this offer—this beautiful four piece set of Silverware (guaranteed); full size for family use packed in case. For Only **97c**.
It is done solely to advertise our product and only one set will be sent to each family, with positively no duplicate orders. The plate is heavy and the pattern one of the latest and most fashionable—the famous "Rose." The pieces are Fit to Grace any Table and Will Last for Years.
ORDER TO-DAY—This price includes all packing, shipping and delivery charges prepaid to your door. Send cash, money order, or 2c. stamps to
Rogers Silverware Co.,
Dept. 1, No. 114 Fifth Avenue, New York.

Our Mountain Hunting Trip

Success in Hunting Deer and Bear.

Written for Green's Fruit Grower by F. Forester.

Every fall of the past ten years I have visited the wildest sections of the Adirondack Mountains in New York state on a hunting expedition. Each year on the approach of the season for going to the mountains I determine to take with me no new recruits, but my determination is ever frustrated. I see danger in taking into the wilderness men who are not familiar with woodcraft. They are in danger of accident, are liable to shoot their companions, mistaking them for deer or other game, and are liable to be lost in the trackless forest.

But as the hour draws near for departing to the woods, one relative or friend after another pleads piteously to join the party. When consent is given this one finds another friend who pleads urgently to go, thus our party is ever enlarged by new members who have no experience concerning the hunting of bear and deer.

Here is one experience with novices. It was a rule of the camp that all were to start out early in the morning for the hunt, with positive orders that every man should be back in camp at three o'clock in the afternoon, for the reason that it often grows dark suddenly in the Adirondack mountains in the afternoon, particularly when storms are brewing. If members of the party were not back by four o'clock it was understood that danger would be apprehended in the camp to those remaining out. If at five o'clock all members of the party had not returned, it would be understood that there was trouble, that some one had been lost or that an accident had happened.

One day we all started out for the hunt at sunrise going in different directions. At three o'clock all returned to the camp but two. At four o'clock these two had not returned. When five o'clock arrived and the two missing men were still absent, we were convinced that something had happened, therefore we held a council. The decision was that we should shoot off a gun and wait for return signals. We did this, but heard no responding shot. Again and again the gun was discharged, and finally we heard a response that appeared to come from directly across the lake, near which we had camped. It was quite dark and we knew that these two men could not find their roundabout way to our camp unaided. We therefore jumped into a boat, crossed the lake, and with some difficulty found the two missing men.

After leaving us in the morning they had taken a course toward the foot of the lake, and had wound their way far around the mountain, where they had seen signs of deer, and finally had shot a large buck. The locality was so inaccessible and wild they feared they would never be able to find it again if they left the deer there, therefore they resolved to drag it to camp. This was a laborious work. They would drag the deer a few rods and then would be obliged to stop and rest, after which they would drag it again a short time and rest again. When darkness came on they lost their way. After a severe struggle they reached the shore of the lake, where they heard the discharge of our gun, and responded. Their intention was to remain where they were until morning. This was a wise decision. When hunters are lost, it is best to remain where they are, until help arrives, for if they keep on wandering they are liable to wander farther away from the camp rather than nearer.

Our camp, which was made of bark stretched upon poles located twenty miles from the nearest postoffice, was on the edge of a natural clearing in the forest. Here at night we were lulled to sleep by the wild cries and hooting of strange birds and four-footed beasts. Here was absolute solitude, such as would have delighted Daniel Boone, an explorer like Livingstone, or any man who loves to commune with nature.

In our search for large game we often disturbed the partridge and fox, but seldom attempted to shoot them, since the discharge of our gun would have alarmed the deer and bear. You may be surprised to learn that in the Adirondack mountains there are few squirrels, and few of those common birds so frequently found near the habitations of men. For the most part this great wooded tract, embracing one hundred square miles and thousands of lakes, thousands of rivers and streams, is a dense solitude broken only by the oc-

casional chattering of the blue jay or the plaintive whistle of the white throat sparrow or the pecking of the woodpecker upon the dead body of some old tree.

The woods are so dense in some parts as to cause almost darkness even when the sun is shining on the branches overhead. As we tramp through this forest we have to stop and admire the wild beauty of the scene, composed often of masses of broken rock containing material enough to build a city, with here and there boulders as large as an average house, covered with moss. Sometimes these vast masses of rock are so tilted upon other rocks as to move with slight pressure. At times we would come to a wild ravine which seemed to have been made by splitting the mountain by a gigantic earthquake. Again we would find ourselves at the top of the mountain range from which we could see the forest and lakes from ten to seventy miles away.

As a rule we met no one in these wild retreats but occasionally we would find a solitary man fishing in the pool or brook, or cooking his supper or dinner before a rude camp. These are men who spend weeks and months gathering spruce gum. They are hardy fellows, capable of climbing easily the greatest trees in search of the juices which have exuded from spruce trees and dried into lumps, used in the manufacture of chewing gum.

Now as to our hunting. In New York state the hunting of deer with dogs is prohibited, hence in order to drive the deer through their run-way certain members of our party were delegated each day in turn, to act as dogs. These men would go through the sections where signs of deer were found, baying and barking like hounds, making all the noise they could in order to drive the deer, while other members of the party were located on the runway of the deer in different parts of the forest.

When the frightened deer approaches the hunter, he often stops for a moment, and then it is that the hunter fires the fatal shot. At other times the deer scents the hunter before he gets near him and turns off at an angle, when the man with the gun has to shoot on the run. This requires an expert shot.

Another method of hunting the deer is called the still hunt. This method is usually resorted to after a rain or a fall of snow. It would be folly to attempt the still hunt of deer when the leaves were dry, and when with each movement of the feet, a rustling noise is made, and with each breaking of the dead branch came a report which would frighten deer many rods away. Often in a still hunt, a man will follow a deer all day long and lose him at last, while on other occasions, he may come with gun shot in a few hours.

I can give you some idea of the difficulty of the killing of deer in the Adirondacks by telling you that many parties go there and come back without securing one. Other parties of from four to six men, may return with a single deer. My party brought home four fine bucks, which was far better than the average success of Adirondack hunters. There are plenty of deer in the Adirondack mountains, but they have wide range and become very wild soon after the day for hunting arrives.

(Concluded next month.)

A Mighty Cataract.

Oozing out of a black, boggy, depression in the heart of Southern Africa is a sluggish, muddy stream which wends its way southward, leisurely at first, but it soon grows rapidly in size and strength until it pours into the Indian ocean, 1,650 miles away, fourth in rank among the mighty rivers of Africa, says New York "Tribune." About 700 miles from its source, and just beyond the cataracts at Mololo, the Zambesi, joined by the waters of the Kwando river, spreads out into what might be termed a lake about six miles long and over a mile in width. This lake is studded with islands and the surface is very smooth, the vegetation along the banks being perfectly mirrored in the placid water. Strange to say, the lower end of this lake is marked not by a shore line nor by the slightest narrowing of its surface, but by an abrupt fall beside which our much vaunted Niagara is a mere pygmy. It is an entire lake that takes the plunge, and not merely a river.

On the Mangishlak peninsula, in the Caspian is a small lake filled with seaweed of a violet hue which also gives off a distinct scent of violets.



This photograph of a grove near the dwelling of P. J. Peffy, Ohio, shows how such a grove can be embellished with flowers and vines. Never cut down a grove of trees, for groves are not only objects of great beauty but they attract the birds, furnish a shelter from winds and are of great service in every way.

The Heaving of Walls.

Written for Green's Fruit Grower by a Scientific Expert.

I have an abutment wall which is being pressed out of position or pushed away from the embankment behind it at the rate of about one inch each year. I have seen many walls of this character in different parts of the country nearly all of which have been pushed over after a time necessitating rebuilding. The question I have asked is, suppose I support this wall of stone and mortar by placing braces before it, the braces to be supported by a massive brick building? Will the winter's frost continue to force this wall even so far as to disturb the permanent wall of the building?

The answer comes to me from a skillful civil engineer who has given this subject special study. He tells me that there is no power on earth to prevent this wall and other similar walls being pushed over by the frost providing the soil behind is well supplied with water.

The force exerted by water expanding under the action of frost is one of the greatest forces of nature. A mountain might be rent asunder if in its center were a few barrels of water subjected to severe freezing.

But the most surprising statement made by this civil engineer was that the frost acting upon the water was not the only agent in pushing over walls and in breaking up roadbeds, but that the warming of the water in the soil, after the winter had passed caused an expansion similar to that caused by the expansion of water when frozen. Both of these forces of nature act in pressing over walls or abutments, one side of which is banked up with earth, as are most cellar foundations.

The preventive measures necessary consist not in bracing the wall, but in filling the space behind the wall not with earth, but with stones or coarse gravel, or any material which will allow the water to pass away, and prevent the accumulation of water there and two or three feet distant from the wall, and in draining the soil beneath the wall with tiled drains, or by piling manure in front of the wall where the wagons pass over, to prevent deep freezing.

My attention has been called to the abutments built so substantially on the New York Central and other railroads, which seem permanent and not affected by frosts of winter. I do not doubt that they are built on scientific principles, and that water is not allowed to accumulate behind these walls or abutments, on account of coarse gravel or stones placed there to free the space of water.

But few appreciate the marvelous forces of nature. The action of frost may be called God's plow; that is, frost is a force of nature which breaks up mountain ranges, levels hills, fills valleys and make the soil which we cultivate so successfully. This great plow at one time covered a large portion of the United States in a sheet of ice thousands of feet thick, carrying with it from the north sand, gravel and rocks, smoothing down the surface of the earth as it swept along slowly but surely. This was known as the Ice Age.

This authority said that Portland cement was sometimes weakened by gypsum mixed with it. The cement which makes mortar that hardens slowly is more valuable than that which hardens quickly. A good cement walk or wall continues to harden day after day, year after year throughout all time. I once saw in Switzerland a block of cement made by the Romans two thousand years ago which was as hard as rock, and harder than any concrete of modern make.

Beware of Imitators.

The Combination Oil Cure for Cancer and Tumor has its Imitators. The Original Oil Cure may be had of the Originator—Dr. Bye, 316 N. Illinois St., Indianapolis, Ind. Free books upon request.

I SAY-CATARRH CAN BE CURED!

This may strike you as a very broad statement, especially if you are one of the many who have tried everything they have ever known or heard of, without having obtained the results they wanted. No matter what you think, I make the above statement with all truth and candor. I have made Catarrh my specialty for 15 years; I know the conditions that cause the disease; I know what is necessary to eradicate it. Hundreds of cured men, women as well as children, in every part of the U. S. stand ready to proclaim the fact that I cured them, I can do the same for you.

To Prove It I WILL SEND

Every reader of this paper or any of their friends having Catarrh in any manner, shape or form



One Month's MEDICINE FREE

No matter how long you have suffered, or how many different things you have tried, don't consider your case incurable until you have had my opinion and have tried my treatment.

You need not hesitate to accept this exceptionally generous offer for fear that it is a catch scheme or a bait to get your money. I mean just what I say and will send one month's Medicine Free to any honest sufferer. Why do I do it? Simply to convince every person, the skeptical ones particularly, that catarrh in any form can be cured positively and permanently. To prove to those who have tried many different remedies, and so-called "sure cures" and failed to obtain the results they wanted, that it was the fault of the remedy or treatment and not because their case was incurable.

Last, but not least, because I want to demonstrate in a thorough and positive manner that my treatment is the right kind. That it reaches the cavities of the Head, Nose and Throat, that it purifies the blood, eradicates the Catarrh germs from the Stomach and Bowels. In fact it penetrates every part of the body, wherever Catarrh germs can possibly locate and puts the system in such healthy condition that with proper care recurrence of the disease is impossible. That is my idea of curing catarrh. If that is the kind of a cure you want, send me your name and address today, so I can send you one month's medicine free, and show you that it cures.

These People Were Cured Why Not You?

Mr. Morgan Ford, Hamburg, Pa., writes: "I feel like a new man and I am very grateful to you and your treatment. You can't imagine how good my head feels, my nose is open, my hearing is better and the pain in my back has left me entirely. Many wishes for your continued success."

Mr. W. H. Parker, Stuart, Iowa, writes: "I am entirely cured of my head and ear trouble and will need no further treatment. I can truthfully say that I am in the full enjoyment of good health, which is a good deal for one 63 years old. Thanks for the treatment and interest you have taken in my case."

Mrs. Lizzie Moffitt, R. R. Box 56, Lexia, Texas, writes: "I am glad to report that I am cured of catarrh in the head. Your inhaler and medicines are all you claim for them and I cannot praise them too high."

Miss Hannah Houts, Belvidere, Neb., writes: "Having been one of your patients I am glad to report that after many efforts I have at last found a treatment to cure me. Before I used your treatment I was in a critical condition. It was almost an impossibility to enjoy life. Now I feel strong and healthy, every trace of my catarrh has disappeared."

A. Fages, 316 W. Clinton Ave. Johnston, N. Y., writes: "I am glad to say that your vaporizer and treatment cured me of catarrh of 30 years standing and you can refer any one to me. I will gladly tell them of your wonderful instrument and treatment. Many thanks for your prompt attention to my case."

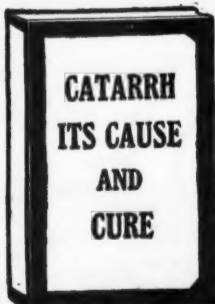
Mr. F. E. Smith, care A. Hogeland, Stockdale, Kansas, writes: "I have taken your treatment since the 29th of last month and I have had a great relief. This morning when I blew three lumps of blood out of my nose; since then I feel good. I know a young man here who needs your treatment. As soon as I find a few minutes time I will see and tell him what your wonderful treatment has done for me."

Arthur Schmidt, Claremont, Minn., writes: "Your vaporizer and medicine is wonderful. I cannot recommend it too high. After all other doctors failed to help me your treatment cured me. I cannot express my gratitude for what your treatment has accomplished."

SEND NO MONEY---CUT OUT COUPON.

Fill in your name and address and send to me, or if you have a few minutes time, write me a letter or postal card describing your case, I will then make a diagnosis, and prepare the medicines you need for one month's treatment, free of charge, without putting you under any obligations to me whatever. An offer like this has never been made to readers of this paper before, and it is probable that I will never repeat it again, so sit down right now while you are thinking of it and send for the treatment. Let me show you how easy it is to cure catarrh in any form.

Free Book on Catarrh



As many people afflicted with various forms of Catarrh do not have a clear idea what the disease is, or what it will lead to if neglected, I have published and will send free to any one my new Book on Catarrh. This book contains valuable information for everyone. It tells all about the different forms and the different stages of Catarrh, contains many pictures showing how and where the disease first starts and how it travels through the Stomach, Kidneys and other organs.

This book gives all the symptoms of the disease, and most important of all it explains why my treatment is so successful in eradicating the disease even after other medicines have failed.

Send your name and address today for Free Book and Free Medicine.

DR. T. F. WILLIAMS, 284 Flynn Bldg., Des Moines, Iowa



If You Have Any of These Symptoms you have Catarrh

- Constant hawking and spitting.
- Buzzing and roaring in the ears.
- Droppings in the back part of your throat.
- Discharge from the nose.
- Frequent sneezing.
- Crusts forming in the nose.
- Ulcers or scabs in nose.
- Offensive breath.
- Impaired hearing.
- Gradual loss of sense of smelling.
- Frequent pains in the stomach.
- Bad taste in mouth in morning.
- Loss of appetite.
- Sick stomach in the morning or irregular bowels.
- Tired and drowsy feeling.

Special Notice to Readers

In case you are not afflicted yourself and do not need my treatment, kindly show this advertisement to some of your neighbors and friends who have Catarrh, so they can write and accept my offer. By so doing it will be a favor to me and be greatly appreciated by your suffering friends and neighbors.

Cut out this Coupon and Mail It to me at Once.

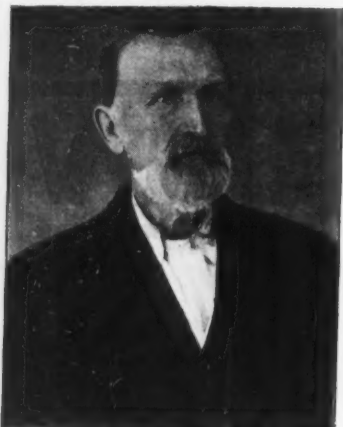
DR. T. F. WILLIAMS,

284 Flynn Bldg., Des Moines, Iowa

Dear Doctor—Kindly send me as per your offer in this paper, your book and the month's Catarrh medicine, Free.

Name _____

Address _____



A. W. LIVINGSTON, OF PA.
Long time a subscriber to Green's Fruit Grower.

Northern Girl's Experience in Alabama.

My Dear Friend: We can't buy anything here but pork, cheese-cloth or granite ware. Matilda, my ebony cook, had a spell last week and I thought, "oh! dear! I'm going to have my experience with Africa." She looked very cloudy, for two or three days and was as mum as the ancient sphinx. At last on Friday morning, she replied to some of my anxious inquiries that she had the racial cramp-colic with the backache and a bad stomach and a lame shoulder and various other imaginary ailments "an she reckoned she'd zer' hey to go to Greensboro (about fifty miles from here) and see her uncle's second wife's half sister's brother-in-law's third cousin!" That seemed to be the only thing that would cure her list of troubles! Well, I told her of course, she must go! We wanted her to get well with speed and I would go out at once and hunt for another cook. The next day I gave her a vacation and she went to a funeral in a drenching rain and followed the body to the cemetery in some more drizzle, and altogether had such a charming time that she appeared next morning happy as a mocking bird, minus all of her diseases and quite content to let slide the half sister of her grandmothers' nephew.

My hens are laying—not the old black one—but the speckled one and the two little yellow pullets and the one with a brown frill around her shoulders! We get three or four eggs a day and feel very proud and crow almost as loud as the chanticleer about it. Beulah Land's mess seems to be falling off a bit. She gives now about three quarts of milk daily. The quality however remains steadfast or I might even say improves. I know you are vitally interested in these items of domestic life, and I hasten to record them for you. Tell Mildred that I have bought one of the dearest little Shearson stands you ever chanced an eye upon. There is a great deal of old-fashioned furniture here, but I have seen very little for sale. It is mostly to be found in the homes of the old families. I know I can get some after a bit.

The mocking birds yesterday morning gave a great concert in our avenue trees. It had rained all night, and the little ferns which always appear like ruffled petticoats on the trunks of the trees after a shower, were flitting their skirts free from the dew drops, when the mocking birds decided the jubilee should open. First a trill and a quaver from a self-appointed prima donna, and then, didn't the whole chorus pour out most entrancing strains, in a glorious tribute to the balmy morning! I just hugged myself with delight to think I could hear it, and that they were my musicians in my grove! Right in the midst of it, the speckled hen finished her morning's job and proceeded to set her vocal chord into vibration. It was not melodious, but she felt she had achieved a practical result and her song was not criticised. The library at the university contains some choice books and of course I enjoy the privilege of reading them.

We ate three turkey dinners last week in the homes of our friends.—A Fruit Grower's Reader.

Wolf hunting is a new sport in the Arbuckle mountains, and seems to be growing in popular favor. This scheme was introduced by Keaton Bryan and J. B. Dickson, the mayor-elect of Turner Falls. These gentlemen conceived the idea of baiting a large fishhook with fresh meat, suspended about three feet from the ground, secured by a strong wire. They placed eight hooks on swinging limbs one night, and next morning went out and found one large gray wolf and a monster lobo. These wolves were shot with Winchester rifles and their pelts carried to the falls. Orders for large fishhooks are going into Davis from many campers, and the art of wolf fishing will be studied.

One Dollar for Three Years.

Green's Fruit Grower desires to get as many three-year subscribers as possible, realizing the difficulty in sending in yearly subscriptions. We therefore offer you three years' subscription to Green's Fruit Grower for \$1. Or, sending \$1, you can order Green's Fruit Grower sent to your address two years and to any other person that you may name, who is a new subscriber, for one year. If you request it at the time of subscribing we will mail you Mr. Green's book, "How I Made the Old Farm Pay at Fruit Growing," with the booklet, "How to Propagate and Grow Fruit," added.

It is probable and possible that the price of Green's Fruit Grower will be increased owing to the increase in cost of paper and labor for printing the paper, etc. Remember the paper on which the Fruit Grower is printed, represents a large portion of the cost of Green's Fruit Grower, and that when paper almost doubles in price, as it has, or is likely to do, publishers must of necessity increase the price. Therefore, if you send us now \$1 for three years you are sure of getting this publication at a very low price. Do not fail to mention Green's book if you want it included with your three years' subscription.

Warmth of the Earth. By the Editor.

It does not seem natural to think of the earth being warm but it is warm during summer and winter. There are two sources of this heat, one coming from the interior of the earth and the other from the sun. Looking out of my window yesterday after a slight fall of snow, I noticed that the snow that had fallen on my cement sidewalk had all melted, except that portion of snow which fell near the place where the blocks of cement sidewalk were joined together. At this point the snow had not melted at all. The cause of the phenomenon was that in the center of the large blocks of cement, 5 feet square, the warmth of the earth was sufficiently held to warm all the blocks of stone sufficiently to melt the snow. At the point where the blocks were joined together enough heat escaped from below, and enough cold entered from above, to prevent the snow from thawing. I have known heavy snow banks to form above frozen ground, and in the spring, when those snow banks melted, I have noticed that frost had disappeared from beneath the snow banks, and that the grass had grown there. All of this heat under the snow banks came from the ground beneath.

Rene Bache says: "When it is considered that the cool crust of the planet on which we dwell is thinner, relatively to size, than the shell of an egg, and that at a depth of only twenty-five miles, all substances are molten, the temperature being something like 10,000 degrees, it seems absurd that we should indulge anxiety about an available heat supply for the future."

The wife of the governor-general of India, Lady Minto, and her daughter, Lady Eileen Elliott, have been distinguishing themselves as tiger slayers.

Cat as a Poacher.—A writer in a sporting contemporary discusses the cat as a poacher, and describes the bag of a homeless animal that had a litter of kittens in the hollow of an old elm tree. This cat appears to have been the scourge of the whole countryside, as she killed, to the writer's certain knowledge, forty young pheasant and partridge chicks, besides fourteen leverets and a score of baby rabbits. A cat is a far more formidable offender than any dog, but it is not generally known that there is one certain cure. This is to crop the animal's ears close to the head, so that as the cat crawls about under the under the water drips into them off the bushes growth.—London "Globe."

Kilkenny Cats.—To fight like the cats of Kilkenny relates to the Irish fable of two Kilkenny cats which fought so fiercely that only their tails were left. As a matter of fact, the fable is said to have originated in an actual episode. During the Irish rebellion of 1803 it was a custom of the Hessian soldiers stationed at Kilkenny to tie two cats together by their tails, hang them over a clothesline and then leave them to fight. Surprised one night at this brutal sport, a soldier drew his sword and by a cut across their tails set the cats free. The presence of the tails was explained by saying that the two cats had fought till only their tails were left.—Detroit "Tribune."

Mr. Charles A. Green, Editor: We desire to thank you for the beautiful dinner set you sent us as a premium to your good paper a few days ago, which arrived in good condition. The dishes are certainly fine, both in appearance as well as durability.—A. L. Dymond, Wyoming, Pa.

ROOF BOOK

Illustrated ROOF BOOK, just off the press, tells how to lay durable, water-proof, weather-proof and fire-resisting roofs on residences, barns, cribs, poultry houses, outbuildings, stores, etc. How to cover old shingle roofs. No tools necessary but a knife and a hammer. Tells all about the famous

NO-TAR ROOFING

which is better and cheaper than shingles, slate or tin. Water-proof, fire-resisting and acid-proof. Contains no tar but is made from asphalt and cannot dry out or run in the sun. First-class, flexible and easy to lay. Best dealers sell NO-TAR ROOFING. Special trials and liquid cement FREE in every roll.

When we send you the Free SAMPLES TO TEST, we will tell you TEN WAYS TO TEST IT and PROVE its superiority to any other roofing.

DEALERS—Write for our Roofing-Business Promotion Plan. Address THE HEPPEL CO., 4261 Fillmore St., Chicago

SEWS LEATHER QUICK

Myers Lock-Stitch Awl sews like sewing machine. Loop on both sides. Repairs shoes, harness, satchels, etc. Great for agents. Sent prepaid. Guaranteed. Book to free. C. A. MYERS CO., 6537 Woodlawn Ave., Chicago.

WHY AND HOW I commenced to grow improved Chestnuts and English or Persian Walnuts, and how I made a small fortune growing them. Send for booklet free.

JOSEPH L. LOVETT, EMILIE, BUCKS CO., PA.

OSAGE ORANGE PLANTS

NUMBER ONE AND TWO

For Hedging or Timber Planting.

APPLE SEEDLINGS—APPLE GRAFTS

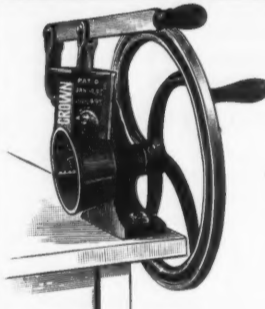
CHERRY, PLUM, PEAR AND ROSE STOCKS ALL GRADES.

Large General Nursery Stock. Send list of wants for prices. The Shenandoah Nurseries, D. S. Lake, Proprietor, SHENANDOAH, IOWA.

Do You Love Flowers?

IF SO write me a letter (not a postal) today, and I'll gladly mail you my FLORAL GUIDE, and a Gift Package (5 pkts.) of choicest seeds—Aster, Petunia, Pansy, Pink and Verbena (worth 50 cts.), enough for five big beds that will delight yourself and friends all summer. I want to know you, and I want you to know my seeds, which always grow and please, and my GUIDE, which teems with new engravings, pronounces the hard floral names, and tells all about germination. Full of good things. Insures success. You will not regret writing me. Tell your friends. GEO. W. PARK, 823, LaPark, Pa.

STILL MORE. When writing why not enclose 10 cents (stamps) for Park's Big Surprise Mixed Package, 1,000 kinds, for a bed that will show flowers new and novel every day for months; also a year's trial of PARK'S FLORAL MAGAZINE—an original, finely illustrated, entertaining and highly instructive monthly Magazine, all about flowers. 5th year. It visits and brightens 450,000 flower homes every month. Why not yours? 10 cts. will bring it for a year, also the Surprise Package—alone well worth the money. Club of three 25 cts. Club with friends. Write today.



Green Bone MAKES EGGS

Bone mills for cutting green bone or grinding dry bones, shells, grit, etc., for poultry purposes.

Send for catalogue and descriptive circulars.

GREEN'S NURSERY CO.,

Poultry Dept.

ROCHESTER, N. Y.

Why Not Accept My Offer and Try a Detroit Tongueless Disc Harrow Free for a Month?

THAT'S my proposition—I mean every word of it.

You can use one of these Discs on your farm—for a full month—without cost.

At the end of that time—if you don't want it—return it to us. We'll allow the freight—thus the test won't cost you one penny. That test is only a part of our liberal selling plan.

It's just our way of assuring every one of our customers that they are going to get what they want and what they will be pleased with when they buy a Detroit Tongueless Disc Harrow.

We're anxious to send a Detroit Tongueless Disc Harrow to any responsible farmer—without deposit—and without advance payment—to make the test. It must be a good Disc—and one that will please you—or we could not go on making this proposition year after year.

We're sending out thousands upon thousands of these Discs all over the country on this plan. Surely we could not afford to do this if the Disc were not all we claim it to be.

The principle of the Detroit Tongueless Disc Harrow is right. The Forward Truck does away with all of the annoyance on the team of the old "tongue." It does away with all jamming—end thrust—and whipping of the horses, that frets them and puts them out of commission just at the time you need them most. See the two wheels back of the Disc Blades in the picture?

Those wheels are a part of the Detroit Tongueless TRANSPORT TRUCK, upon which you can raise the Disc Blades off the ground, making them rest on the front and back Trucks—so that you can drive the Harrow over stony ground, rough and sandy roads, bridges, etc., without dulling the blades or cutting up the surface. A good invention—that Transport Truck—"most worth its weight in gold the way it saves Disc Blades that have to be transported from one field to another or from house to field.

Year before last we had over 1600 orders for this Disc that we couldn't fill—had to send them back.

Last year we made twice as many as the previous year—and still we couldn't fill all our orders.

This year we've increased our factory facilities, and hope to be able to fill every single order on the satisfaction.

It has had a wonderful sale—and has given universal

WE SELL YOU A DETROIT TONGUELESS DISC HARROW—ON TRIAL—FREIGHT ALLOWED

Anyway, we invite you to drop us a line on a postal card, giving us your name and address, and letting us send you our new 1907-08 Disc catalogue. This Book tells you more about the famous Detroit Tongueless Disc Harrow than we can tell you here—gives you our Selling Plan and quotes prices on a Detroit delivered at your railroad station. You can buy the genuine Detroit Tongueless Disc only through us direct. We advise you of this that you may not be imposed upon by some unscrupulous dealer who will represent to you that he has a Detroit Tongueless Disc Harrow for sale—or one as good. He can't have a genuine Detroit Tongueless—and he can't have one "just as good."

I believe the Detroit Tongueless Disc Harrow has had the largest sale in its first two seasons on the market of any farm implement ever manufactured.

W. W. Collier, Gen. Mgr.

CAUTION:

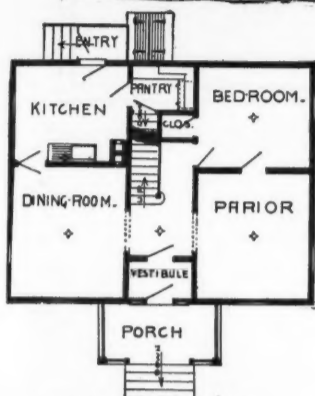
Beware of imitations. They say "imitation is the sincerest flattery"—and our Detroit Tongueless Disc Harrow is being very much flattered. There are several cheap imitations of our Harrow being offered for sale through dealers. Don't buy one of them believing that you are getting a genuine Detroit—because you are not. The Detroit Tongueless Disc is not for sale by any dealer—anywhere. We sell it direct from our factory—and you keep all the dealers' profits in your own pocket.

W. W. Collier, Gen. Mgr., AMERICAN HARROW CO., 379 Hastings St., DETROIT, MICH.
NOTE:—Full line of Detroit Tongueless Discs are carried at our branch houses in all leading trade centers, enabling us to make prompt shipment to all points. To be sure of getting a Detroit Tongueless just when you want it, better get your order in early.

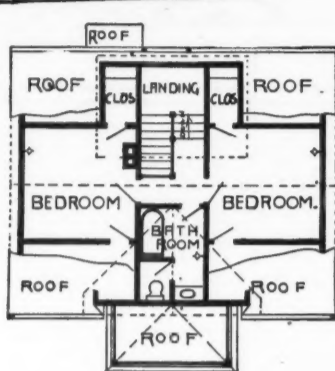


Write Today for Book and Prices

Sold on Time



FIRST-FLOOR PLAN



SECOND-FLOOR PLAN

A Center Hall Cottage.

By George S. Kingsley, Architect.

This type of cottage is proving very popular and I submit a design of this character for this month's illustration. The original center hall house was the Old Colonial house of early days, so common in eastern and southern states, and it is a plan that is hard to improve on for convenience and economy of construction. It is well known fact that the less number of angles and corners in the outside walls of a house, the cheaper it can be built. Every bay window or angle of any kind is an added expense, and the house shown in connection with this article is designed in such a way that these objections can be overcome, and a good looking design obtained at the same time. In addition to the Center Hall there are six rooms, four in the first floor, and two and bath on the second. One bed room is arranged on the first floor which is a convenience where the comfort of old people is to be considered. The pantry is arranged underneath landing of stairway and there is a stairway to basement opening from it. The toilet in bath room is separated from bath room proper by a partition and door. An outside entry has been provided for basement and an artistic front porch completes the exterior. The plaster gables also add to the exterior appearance of the building, and when this plaster finish is used and properly applied it has proved lasting and durable. I would advise the use of a furnace for heating owing to the compactness of the house. The vestibule will help to keep out drafts and a storm door could be erected in front of kitchen door for use during the winter months. I will be pleased to answer any questions regarding this plan and design.

Editor Green's Fruit Grower: Can a person get as good results in eggs by feeding fowls all whole grain and no mash? If so, please let me know through the columns of your paper a balanced ration for morning, noon and night out of the following foods—oats, wheat, buckwheat, corn or cracked corn, green bone, and apples and cabbage.

Kind, breed or condition of fowls not stated.

Reply from New York Agricultural Experiment Station, Geneva, N. Y.—Green's Fruit Grower: "The difference between results from rations of whole grain and ground food are usually due to factors incidental to the methods of feeding rather than to any influence from the mechanical condition of the food. In some experiments made about ten years ago as well as in some recent ones, hens fed a ration mostly of whole grain consumed somewhat more food for the same egg production than did hens having ground food.

The ration most profitable to use would vary considerably with the condition, age and breed of the fowls, as well as with the time of the year and conditions under which the birds were kept. For hens in full laying it has been estimated that the ration should supply per day for every hundred pounds live weight fed, from three to six pounds of digestible dry matter containing from one-half to over one pound of protein and from .2 to .3 pounds of mineral matter, with a nutritive ratio

somewhat narrower than that of one to 5. The heavier extreme for the smallest hens under three pounds live weight and the lighter extreme for the largest hens over eight pounds in weight.

Very few data are available to show the digestibility of different foods by hens but it is safe to use the factors observed for other animals. In Farmers' Bulletin No. 22 of the U. S. Department of Agriculture can be found tables showing the composition of most foods. Your correspondent can probably obtain bulletin No. 154 of the Central Experimental Farm, Ottawa, Canada, which contains much information relative to poultry.—W. P. Wheeler, Assistant.

My First Christmas.

Written for Green's Fruit Grower by S. E. Woodward.

As I fell to thinking the other night of old times I unearthed some thoughts which brought to mind what I will call "My first Christmas."

My younger brother and I one morning heard the big boys say to-day was Christmas and what a big time they were going to have at school and lots of fun. Now we didn't know what Christmas was for, then we go to ma and say:

How can little boys have Christmas fun? And she answered back in a pleasant tone,

Go get some taters and have a roast; Not more than a hatfull at the most.

With poker and shovel both in hand, Before the fireplace we took our stand. Down in ashes we jabbed some holes, Poured in potatoes and raked on the coals.

And while the tubers were in to roast, We chatted of tales of horrid ghosts, And drew up our chairs a little higher To feast our hungry eyes upon the fire.

To the Editor of Green's Fruit Grower: Here is my list of the "ten best things to eat."

1. Unleavened graham gems.
2. "Our Home" Granula.
3. Sweet milk with cream in it.
4. Fresh eggs, with sweet butter.
5. Stewed beans, with tomato sauce.
6. Baked squash, with stewed celery.
7. Boiled rice, with oranges.
8. Apples, with nuts.
9. Lemons, with bananas.
10. Strawberries, with Grape-Nuts and cream.

I think it is much more healthful than the "South Carolina" list.—Miss L. M. Warriner.

That the soul was wit was exemplified most strikingly among the Greeks is only what we should expect. It is curious to remember that our word "laconic" preserves the memory of the reputation for conciseness of speech borne by the people of one part of Greece—the Laconians or Spartans. When Philip of Macedonia threatened them, "If I enter Laconia I will level your city to the dust," they made the famous reply, "If."

Green's Fruit Grower. Messrs.: Your worth the money paid for them. Yours premium of dishes received. Am well respectfully, Sallie A. Stienbarger, Aupleased with them. Think them well gusta, Ill.



I am gaining a host of friends all over this broad land. They're the people who in former years have accepted my offer of free fruit plants. They have found that my prophecies came true; that the free plants would grow, blossom, fruit and bear just as if they paid the regular price for them. This practice of proving the value of my plants is building an increasing business for me every season. People are finding that they can rely on my plants, that the prices are reasonable, that the truth is told every time. They are proving that my claim of over

\$300 PROFIT PER ACRE

from small fruits is no "dream," but an easily demonstrable fact. Good cultivation and intelligent attention will make a fruit farm an active producer of high profits.

I'm therefore repeating my offer of last year. I will send on your request three fine Blackberry plants absolutely free of any charges. I have faith in my plants. I know that they are well-rooted, vigorous, strong growers, abundant producers. With the blackberry plants I send my new 1908 catalog. Remember this is

A BONA FIDE FREE OFFER

You do not have to buy a cent's worth to get the three blackberry plants and catalog. I expect, however, that you will be so pleased with my way of treating you and the quality of the free plants that you will order your fruit bushes, vines, and vegetable seeds from me.

Fill in the coupon, enclose in an envelope, address it and mail. It will take you three minutes to get these valuable plants. DO IT NOW. You may forget it and then regret it. Address, W. N. SCARFF, New Carlisle, Ohio.



A Field of Haymaker Raspberries

SCARFF'S SPECIAL SMALL FRUITS OFFER

\$5 Fruit Garden—By express, purchaser paying charges, I will send 150 strawberry, 6 gooseberry, 20 currant, 137 raspberry, and 87 blackberry plants, and 12 grape vines. Free with this, three rambling roses—crimson, white, yellow. All for \$5.00.

\$1 Strawberry Patch—100 plants, 25 each of four best varieties, postpaid. If ordered before May 1st, a Baby Rambler Rose free. All for \$1.00.

\$1 Vegetable Garden—35 packets—one each, Asparagus, Beet, Carrot, Coffeeberry, Peas, Celery, Watermelon, Onion, Parsnip, Sage, Spinach, Popcorn, Pumpkin; two each Cabbage, Cucumber, Lettuce, Muskmelon, Radish, Squash, Turnip, Beans; three each Sweet Corn, Tomato. All sent postpaid for \$1.00.

COUPON.

Date.....

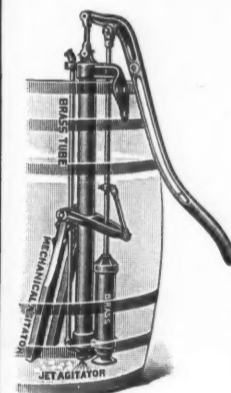
W. N. Scarff, New Carlisle, Ohio.

I would like to receive the three free blackberry bushes; also your new 1908 catalog.

Name.....

Address.....

State.....Town.....



The New Brass Barrel Pump AT GREAT BARGAIN

Has the Improved Brass Cylinder Plunger and Mechanical Agitator as illustrated. All parts coming in contact with spray solution are made of solid brass, and are not affected by the materials used. It is very powerful and easily operated.

No. 5, complete with mechanical agitator, 5 feet of three-ply discharge hose and nozzle, ready to attach to any barrel, only \$7.98.

No. 6, with mechanical agitator, two leads of hose, and two nozzles, for spraying two rows at once, \$8.98. 8-foot extension pipes, 60c each.

IMPERIAL BRASS BUCKET SPRAY PUMP

No. 325 is made of brass, spray material cannot affect it. All pumping done on downward stroke, thus holding pump down. Operator can get from 50 to 100 lbs. constant pressure. It will throw a stream 50 ft. and is an unusual value for washing windows and buggies, extinguishing fires, sprinkling lawns, flowers, etc. For spraying it has patent jet agitator which stirs solution at bottom of bucket. Price with agitator, hose, nozzle and foot-rest \$3.75.



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Green's Offer



CATTLE BY THE LAKE.

COPYRIGHTED BY JAMES LEE CO., 1906.

The above picture (in nine colors) of cattle and rural scenery is worthy of being framed and hung upon the wall in the home of every reader of Green's Fruit Grower. The above engraving but faintly illustrates the beauty of this picture, which resembles an oil painting and which could not be bought for hundreds of dollars. Green's Fruit Grower offers this elegant colored picture, to be sent by mail postpaid, securely packed in a strong tube, to any person who accepts GREEN'S OFFER. (Use coupon below.) Do not delay as we have only a limited number of these beautiful pictures to give away. Size of picture, 16 by 20 inches. Green's Fruit Book also free with this offer.

Green's Fruit Grower (Three years)

and Home Companion, edited by Charles A. Green, is the largest and greatest horticultural publication in America. It is a magazine for the fruit grower, for the success of his occupation, for his home, and for his home folks. Some of the special features are: Editorial Comment, Orchard, Poultry, Farming, Health, Small Fruit, and Woman's Department.

Farm and Fireside (1 year)

is the national farm paper read all over the country by nearly three million happy people each number. Farm and Fireside pays more for its editorial matter than any other farm paper. It is a Great Farm Paper Growing Greater—all the time.

Vick's Magazine (1 year)

is the ideal magazine for the farmer's wife and daughter. It is a home magazine in every sense, and devotes many pages to flowers, the garden, and beautifying the home. Vick's will be welcomed in every farm home.

Cattle by the Lake

A beautiful reproduction of an oil painting in nine colors. Size of picture, 16x20 inches. We guarantee its safe arrival at your home. (See above illustration.)

Green's Fruit Book

How to increase your profits and succeed at Fruit Growing—an autobiography.

ALL FIVE

including GREEN'S FRUIT GROWER 3 whole years—36 big numbers

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Canadian Subscribers should send \$1.25 extra for excess postage. If you want Green's Fruit Grower only one year the price of this club is 75c. in this country, or \$1.50 in Canada.

Use coupon when ordering, pin a dollar bill to it and send it at Green's risk. Do it to-day.

GREEN'S FRUIT GROWER CO.,
Rochester, N. Y.

Date.....

Gentlemen:—Enclosed find \$1.00 for which please advance my paid subscription to Green's Fruit Grower three years (3) from the date it expires or expired, and send me a postal card stating the date to which it will be paid; also, send me Farm and Fireside one (1) year (24 numbers); also, send me Vick's Magazine one (1) year; also, send me the above reproduction of an oil painting in colors, securely packed in a paper tube; also, Green's Fruit Book, all for the \$1.00.

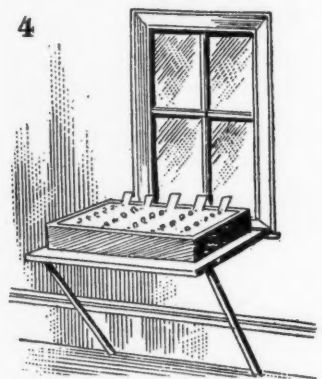
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NOTE—If you want the magazines sent to different addresses, just say so.

Address, Green's Fruit Grower Co., Rochester, N. Y.



The above points will make us see the importance of pruning and pruning right; far more than we generally realize and practice.—"Southern Fruit Grower."

Runabout, Surrey, Carriage any style of light pleasure vehicle that you want, to your order, just as you want it, and send it to you on **THIRTY DAYS' FREE TRIAL**, and guarantee it **TWO YEARS**. You try one of our vehicles 30 days. If you are not satisfied, we take it back and refund all your money. We have been selling our vehicles that liberal terms, and that they will do just what we claim for them; this is why we send them out on such liberal terms. Our **FREE 192** price is the lowest for any vehicle of its kind. We have a full line of vehicles made in two-in-one combinations, Surreys, Carriages, Spring Wagons and Harness, and tells all about our liberal selling plan and our strong guarantee. We operate two big plants, making nothing but carriages and harness—one in **London, Ontario**, and the other in **London, Ontario**. We have been making our goods in 1897 made it necessary to double our manufacturing capacity. Write for our big, **FREE** catalog today. **THE OHIO CARRIAGE MFG CO., H. C. Phelps, Pres., Station 26, Col.**

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Gardeners, ask for wholesale list!

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Runabout, Surrey, Carriage any style of light pleasure vehicle that you want, to your order, just as you want it, and send it to you on **THIRTY DAYS' FREE TRIAL**, and guarantee it **TWO YEARS**. You try one of our vehicles 30 days. If you are not satisfied, we take it back and refund all your money. We have been selling our vehicles that liberal terms, and that they will do just what we claim for them; this is why we send them out on such liberal terms. Our **FREE 192** price is the lowest for any vehicle of its kind. We have a full line of vehicles made in two-in-one combinations, Surreys, Carriages, Spring Wagons and Harness, and tells all about our liberal selling plan and our strong guarantee. We operate two big plants, making nothing but carriages and harness—one in **London, Ontario**, and the other in **London, Ontario**. We have been making our goods in 1897 made it necessary to double our manufacturing capacity. Write for our big, **FREE** catalog today. **THE OHIO CARRIAGE MFG CO., H. C. Phelps, Pres., Station 26, Col.**





JONATHAN APPLE TREE.
From N. B. Griffing, N. Y.

Optimistic Club of America.

A Novel Organization for Purpose of Dispensing Cheerful Philosophy.

The philosophy of the club, subject to modification and additions, is as follows: "God reigns; the union still lives and the sun still shines, even though the clouds obscure it."

"There are more people dying each day for the lack of a kind word, a pat on the back and a little encouragement than there are from disease."

"A smile is potential, magnetic and dispels trouble."

"The man who never makes any mistakes never makes anything else."

"Hard luck stories are like over-due notes."

"Go bury thy sorrows, the world hath its share. Just smile."

"Before money was invented some people were happy."

"Shake hands as though you meant it, and smile."

"Nobody can compute the value of a smile; a frown has cost a kingdom."

"Nobody can really harm you but yourself."

"You are under a real obligation to every man on earth."

"You can't put influence in a glass case."

"When in doubt, take optimism."

"In darkness, in light, in sorrow, in blight, be an optimist ever, and things will come all right."

"Optimism is the first-born of hope, the mother of confidence, the executioner of adversity and the undertaker of pessimism."

"A frown is a renegade smile that is afraid to look itself in the face."

"On the faces of the happy aged it is a well known fact that wrinkles are only the foot-prints of smiles."

"On the vehicle of modern progress the creak of the wheel is the pessimist protest; a little optimistic lubricant will silence both the creak and the croak."

"The optimist wins."

"The greatest smiler is the greatest healer."

"Smile and the world delights with you; Croak and you croak alone."

"A smile is God's own medicine."

"A grin is a counterfeit smile, and does not pass current because the heart stamp of genuineness is not upon it."

"Optimism and pessimism have fought many bloody battles; if optimism had not been a victor up to date, hope would have died years ago."

"In the realm of the birds, the lark is the optimist, the crow is the pessimist. Why be a crow?"

"Clearing house certificates and tight financial conditions have afforded more people, who never had a dollar, an excuse for their hard luck stories, than anything that has happened since the Civil war."

"Let optimism and the optimist destroy the last hope of the pessimist, and perfect confidence will again prevail with peace and plenty for all."

"Fall into line and the sunshine of the home and the glory of trade will reflect the delight of a gracious personality."

In speaking of the New England "spinster problem," Mrs. Mary Wilkins Freeman told a rather pathetic little story of an aged maiden lady who once said that she had never received an actual proposal of marriage, "but," and here she blushed faintly, "a gentleman once asked me to walk with him in the garden by moonlight, and we all know what that means, my dear."—Harper's Weekly.

Sermons Boiled Down.

Slander is but soul suicide.
Love is good logic in any language.
All our yesterdays were once to-morrows.

Malice is a terribly deadly gun—at the breech end.
We make mistakes; it is the other fellows who commit sins.

The city with the lid off needs the church with the coat off.

Faith is not a fence about a man; it is a force within him.

The man with time to burn never gave the world any light.

It is a waste of money trying to feed people on bread labels.

You can get the flavor of life's hickory without eating the shell.

Many big sins have a way of getting in with mighty small keys.

Withholding affection is one of the most wasteful economics in life.

Our worst enemies are the friends who have failed to find us profitable.

The Lord is not a refuge for the man who is looking for a soft place to rest.

The church is richer for a cent given with a smile than for a dollar with a frown.

It's the man who hammers the church down who complains most that she does not rise.

There are better ways of showing your sand than throwing grit in the other man's eyes.

People who are carried away on a wave of enthusiasm usually have to walk back dry-shod.

"Did you hear of all the trouble in the flower circus?"

"No; what was it?"

"Well, to begin with, the tiger lilies boasted of the superiority of their tricks over the dandy-lions, and these cat-tails were brought to the elephant's ears, and it was very natural that the dogwood tell them where the cow's-lip would repeat them. That fox-glove was on hand, although the cock's-comb gossip was ahead. Then everybody was inclined to linger to admire the parrot's-feather, till they heard the cro-cuss like a trooper, and all hands got a fatherly lecture from the poppy flower."—Washington Herald.

Brieger has shown that very hot water baths are of great value in the treatment of chlorosis, gout in young persons, and Bright's disease. His opportunities for observation have been very great, as he has treated ten thousand cases in the Institute of Hydrotherapy connected with the great Berlin university. Winternitz has shown that these hot-water baths increase the burning up of the waste substances in the body to a high degree, promoting oxidation even more than does fever.—"Good Health."

It would be difficult to find sayings more telling than some of the shortest—such, for instance, as "Forewarned, forearmed," "Extremes meet," or the ancient "Inter malleum et incudem," (Between the hammer and the anvil). Many sayings which in English are short were briefer still in their original classic form.

Judge—"You stand convicted of marrying ten widows. Have you anything to say before the sentenced is passed upon you?" Prisoner—"Only dis, judge: I hope yer'll remember, in passin' sentence, how much trouble I saved nine other fellers."—"Judge."

Mr. Green—Dear Sir: I thought I would write and let you know that we received the dinner set all right, and we think them very nice and thank you very much. Yours truly, Samuel Gabbey, Middletown, N. Y.

"What's the going on?" said a bore, stopping Jerrold in the street. "I am," and the speaker suited the action to the word.



**NOT
IN THE
TRUST**



Mr. Farmer, it pays to give early consideration to the selection of the tools you'll need the coming season. Haste in buying so often means a waste of money, and disappointment. Right now, is the best time to investigate—to get posted. Send today for the 1908 JOHNSTON catalogue, and when you have carefully noted the late improvements, the special features, the practical construction of

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you'll be in a position to buy without making a mistake. Johnston implements are so popular because they do the work as so many write, "without bother, no repairs, and with least labor." We have records showing binders in use 15 years with but \$5 for repairs; Mowers, Harrows, Rakes, Fodders—with similar results, all of which mean two important facts to the buyer, they do their work well and last well. Don't buy until you get our 1908 free Catalog.

THE JOHNSTON HARVESTER CO., BOX 26, BATAVIA, N. Y.



Write for Catalogue Today.



Good Farms Cheap in the Heart of Texas

The completion of the Trinity & Brazos Valley Ry. through the heart of Texas has opened up to rapid development a very fertile region lying between the Trinity and Brazos Rivers which flow almost parallel to each other for over 300 miles and only about 70 miles apart. This valley lies in the midst of the most prosperous and thickly settled part of Texas, but its resources have never been fully developed because the direct railroad connections between Dallas and Ft. Worth on the north, and Houston and Galveston on the south, now supplied by the Trinity & Brazos Valley Ry., have been lacking. This rich territory is known as the

Trinity and Brazos Valley

Land is cheap there now—from \$5 to \$40 an acre, according to location—but prices are advancing rapidly.

The soils are well adapted to diversified farming. The black, waxy land will produce large crops of cotton, corn, wheat, etc. The lighter, sandy soils produce all fruits and vegetables bountifully. In healthfulness the climate of this valley is unexcelled anywhere. It is pleasant to live in the Trinity and Brazos Valley and profitable to work there. Thousands of energetic farmers are moving to this district to live and prosper. An opportunity exists for you there. It will pay you to look into it carefully now.

Take advantage of one of the low-rate excursions on the Rock Island-Frisco Lines, only \$20 from St. Louis or Kansas City, \$25 from Chicago to any point in the Trinity and Brazos Valley and return.

If you would like to read something about the opportunities open to you in the Trinity and Brazos Valley write for my book on Texas. You will find it full of good, reliable information. I will send you one, without cost, if you will give me your name and address. The Rock Island-Frisco Lines have no land for sale and are only interested in getting good, energetic settlers for the desirable, but unoccupied, lands along their roads.

I have chosen several specific sections, where conditions are especially favorable for new settlers, and am advertising their advantages. If you would prefer some other section than the Trinity and Brazos Valley, look for my advertisements in other issues of this paper, or write me for specific literature about the section you are most interested in.

JOHN SEBASTIAN, Passenger Traffic Manager, Rock Island-Frisco Lines,
200 La Salle Station, Chicago, or 200 Frisco Bldg., St. Louis

Rock Island

FRISCO

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YOU don't have to pay me or any one else a single cent on the price of my spreader before you try it or after you try it, if it doesn't prove itself to be the best made. I am not beginning in the spreader business. I have built spreaders for years. So I know what beginners don't know. I know how to and do build the Galloway Spreader so it can't break and wear out where experimental spreaders are sure to break and wear out. I challenge any other manure spreader seller or manufacturer to put

Galloway

Wagon Box

Manure Spreader

THE Galloway has the best improvements—all patented so you can't get them on other spreaders. The Galloway is

Lightest Draft—Feeds as You Wish—and is the Only Spreader that Fits Quickly and Easily to the Different Widths of Wagon Gears.

WILLIAM GALLOWAY, 869 Jefferson St., Waterloo, Ia.

Prompt delivery to you from Waterloo Factory or transfer points at Kansas City; Minneapolis; Madison, Wis., etc.

his spreader alongside of the Galloway in the hardest kind of a test. I don't care what other spreader you try—it won't cost you a cent to try the Galloway at the same time. So it's certainly to your advantage to try the Galloway at no cost to you even if you do put up your money to try any other spreader. If the Galloway doesn't beat any other that you try, all you have to do is return it at my expense and you're not out a penny and you haven't risked a penny.

My Price—the Lowest

Ever Made on a High-Grade Spreader

THE ONLY Spreader Guaranteed for 25 Years with a \$25,000 Bond Guarantee TO PROTECT YOU

THE ONLY Spreader with MALLEABLE and STEEL for ALL Parts that break and wear out in other spreaders.

Fits the wagon gears you already have.

THE ONLY Spreader Worth \$25 on any Spreader. Costs you nothing on the Galloway.

11.25 Buy This Large Handsome Nickel Trimmed Steel Range

without warming closet or reservoir. With high warming closet, porcelain lined reservoir, just as shown in cut. \$17.50 large, square oven, six cooking holes, body made of cold rolled steel. Duplex grate, burns wood or coal. Handsome nickel trimmings, highly polished.

OUR TERMS are the most liberal ever made. You can pay after you receive the range. You can take it into your home, use it 30 days. If you don't find it exactly as represented, the biggest bargain you ever saw, equal to stores retailed for double our price, return it to us. We will pay freight both ways.

Write Today for our beautifully illustrated Stove Catalogue No. 5110, a postal card will do. 15 styles to select from. Don't miss it. **MARVIN SMITH CO., CHICAGO, ILL.**

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Philadelphia

DON'T RUST FENCE

Galvanized so heavily can't rust. 40 Carbon Spring Steel. No agents. 30 days' free trial. Farm and poultry Catalogue No. 51, 40 Styles Lawn Fence, Catalogue C. One or both free. **THE WARD FENCE CO.**
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FENCE Strongest Made

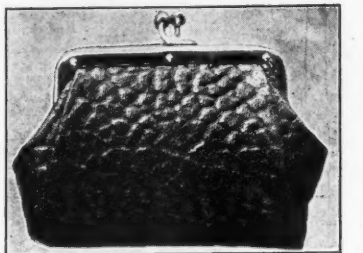
Made of High Carbon Double Strength Coiled Wire. Heavily Galvanized to prevent rust. Have no agents. Sell at factory prices on 30 days' free trial. We pay all freight. 37 heights of farm and poultry fence. Catalog Free. **COILED SPRING FENCE CO.**
Box 100 Winchester, Indiana

COIL SPRING FENCE

Made of high carbon Steel Wire. Horse-high, Bull-strong, Chicken-tight. Sold direct to the Farmer at lowest manufacturer's prices on 30 days' free trial, freight prepaid. 100 page Catalogue and price-list free. **KITSELMAN BROS.**
Box 206 MUNCIE, IND.

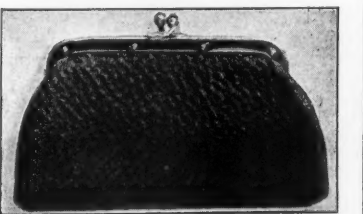
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Direct To You from our own factory at lowest factory prices. We are manufacturers and handle no second hand or short length stuff. Every part of our roofing and siding is made in our factory from genuine Charcoal Iron. Double Refined Puddled Iron or Steel. Put on the kind of roof that wears. Ours is guaranteed. If it isn't the best you can buy anywhere, don't pay for it. Easy to lay. No experience needed. Tell us about your building and let us quote you factory prices. Write for Metal Goods Dept. No. 8-15 is free. **THE UNITED FACTORIES CO.**
Cleveland, Ohio.



Ladies' Purse, No. 1.

This handsome ladies' purse is nickel finish and leather lined. It is about four inches wide by three inches high. We offer it in connection with Green's Fruit Grower one year for 50 cents.



Ladies' Purse, No. 2.

This handsome ladies' purse is gilt finish and leather lined. It is about five inches wide by three inches high. We offer it in connection with Green's Fruit Grower one year for 50 cents.

Note.—Ask for purse when remitting for paper, otherwise we do not send it. These purses will please anybody as they are finely made and are first-class in every particular.—C. A. GREEN.

Green's Fruit Grower Co., Rochester, N. Y.

6&7 BOOKS OF MOSES, Egyptian Secrets, Black Art, also Mineral Rods. Circular ac.
J. H. ENDERS, 2041 Rose St., Harrisburg, Pa.

FURNACES \$15 Before shipment. Balance on inspection, trial, or \$10 payments. Book free. **Century Furnace Co., Box Y, Youngstown, O.**

MYER STRAWBERRY—the Greatest Market Variety in Delaware.
D. S. MYER & SON, Bridgeville, Delaware.



This photograph sent Green's Fruit Grower by W. C. Tacy, Girard, Ohio, shows a wide extent of ground at the front and on all sides of their attractive rural home and the artistic winding paths leading to the door. Here is a suggestion for those building homes to have larger open space in front of the house and fruit or shade trees at one side to shelter it from winds.

Combining Poultry and Fruit Growing.

Written for Green's Fruit Grower by Mrs. S. B. Titterington.

It needs no argument to prove that the two distinct industries of fruit raising and poultry keeping fit in together in a remarkable fashion. Such a combination is no longer an experiment, but the possibilities have not all been realized. The needed shade in the poultry yard being supplied by fruit-bearing trees, and the special care needed by each branch of the work coming at different times in the season, it only remains to determine the way to bring about the best possible result.

The varieties of fruit trees should be selected that always find a ready sale in the markets. Each section has sorts that thrive best in that section. By a judicious choice one may be sure of good returns when the trees are once established. Apples do especially well when helped by the continual enrichment of the soil given by the fowls, and by the wise choice of varieties, may be made exceedingly profitable. On account of their quick growth, plums, apricots, peaches, and pears are much esteemed for planting in chicken runs. The plum curculio has a hard time of it with a crowd of vigorous fowls lying in wait for whatever of insect food may come their way. It is by no means uncommon to find plum trees that never yielded enough fruit to be of commercial value until chickens were allowed free access to the ground on which they grow. On this account the growing of plum trees in poultry yards is meeting with increasing favor, as it has been found that heavy profits in plums are thus made possible.

But the combination of fruit and poultry raising does not need to depend altogether on the trees in the yards themselves. There is a wider method coming into public favor as its results are seen and appreciated. Small fruits, it has been found, can be more successfully raised with the help of the poultry than without. It is not usually practicable to grow the bushes in the regular chicken runs, but other arrangements can be made. One method of accomplishing this came under the writer's eye recently. A farmer, narrating his experience, said that he kept his fowls in their own yards till they had devoured all green vegetation in them. Then he turned them into a quarter acre patch of red raspberries planted conveniently for this purpose. Here they had the benefit of a good run and change of surroundings, while the berry bushes received shallow cultivation and insect pests were destroyed. He cut a door in the side of the henhouse adjoining the patch which he had enclosed with wire fencing. The fowls seemed very happy, thriving finely, while the bushes afforded them the coolest of shade. When the berries began to be large enough to be a temptation to the chickens, the fowls were turned back into their own quarters, which by this time were fresh and green once more. After the fruit was picked the owner again gave the birds the run of the berry patch where the benefit would be mutual for the rest of the season. The plan worked admirably, and convinced the farmer that he had hit on a most valuable idea.

We often hear of old orchards which seemed to be past bearing, producing paying crops again after having been turned into poultry pasture. Such profits are not to be despised.

Chickens and garden seem a strange combination, but the younger chicks (not old fowls) are very useful in a garden in many cases. In one instance, after an experiment of three years on insect infested ground, good results were reported. Wire worm and turnip fly were almost gone. At the beginning not a turnip could be saved. Not one gooseberry caterpillar could be found, though before the bushes were stripped bare by them and even the green fly was greatly reduced, and the hens had the credit of it all.

People do not lack strength; they lack will.—Victor Hugo.



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Fruit growers all over the United States must organize for protection, by city, township or district; county, state and national organizations in order to be able to obtain higher prices for their fruit. There are fruit growers' organizations where the members are able to sell and ship as a body and obtain higher prices; because they control a larger quantity, and owing to this, they are sought after by the commission merchants. The commission merchants have such organizations, and the nurserymen also have a similar organization; why not the fruit growers? We will do all we possibly can to benefit the fruit growers and will publish from time to time articles on organization. Kindly send your subscription, 50 cents a year, 3 years for \$1.00, to

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Egg Farming.

You cannot expect good laying from a scared hen.

Soft-shelled eggs are often due to an overfat condition of the hen.

Be particular about the age of the eggs you market. One bad egg may lose a valuable customer.

Cater to the whims of your customers, no matter what your feelings may be in the matter.

The life of a fresh egg is about three days.

You can help the egg yield by keeping down the lice.

Eggs have a tendency to grow smaller as the laying season advances.

The egg-eating vice in hens is generally started by their laying soft-shelled eggs.

Washing the eggs before marketing opens their pores and thus spoils the keeping qualities.

There are great risks in the "hidden nest."

Mrs. Ann Radle, who manages a farm near Belvidere, N. J., and, with the aid of her daughter, Miss Catharine Radle, and a farmhand, gathers in the crops, celebrated her ninety-second birthday recently. She was surrounded by her three daughters and three sons, as well as by her grandchildren and great-grandchildren. For nearly her entire life she has lived on the old homestead near the Belvidere iron mines.

There was a dispute about stolen chickens, two neighbors claiming the chickens. A wise judge released the chickens near the homes of these two neighbors at the close of the afternoon. Soon after the chickens moved unanimously toward the hen coop where they had been in the habit of sleeping, which proved conclusively to whom the chickens belonged.

Don't waste your time crossing pure bred fowls. There are standard bred varieties of all sizes, shapes and colors, and you will have ample field with any of them to try your skill in mating and breeding them to develop special characteristics. Crossing standard bred birds only makes scrubs and there are enough of them now.

"No man should think so highly of himself as to think he can receive but little light from books, nor so meanly as to believe he can discover nothing but what is to be learned from them."—Dr. Johnson.

To please a woman you must first make her decide what she wants, and that is why it is so hard to please a woman.—Philadelphia "Press."

It is easier for most people to be poor than honest.



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A new, very productive, main-crop white potato offered this year for the first time. Yield record, 536 bushels per acre; 12 to 15 marketable tubers in a hill; vines 6 feet long. Tried last year in many states it beats everything for vigor of vine and prolific yield. Send postal for Handsome Illustrated Catalog of Seed Potatoes, Corn, Oats, Barley, Garden Seeds, etc. **L. L. OLDS SEED CO., CLINTON, WISCONSIN.**

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Fun for the Family.

"What is the difference between these two socks of yours, John?" queried Mrs. Waggs, who was sorting the laundry.
"Give it up," answered her husband.
"One has a hole in the heel and the other hasn't," explained Mrs. Waggs, with an open-faced smile.
"Oh, darn the difference," rejoined the jovial John, as he turned to the joke column of his favorite paper.—Chicago "News."

"I have been trying the so-called fruit cure," said the dyspeptic. "For the last month I have eaten nothing but fruit, but it hasn't benefited me in the least."
"That's strange," replied the healthy man. "Just look at me; I subsist entirely upon fruit."

"What kind of fruit?" queried the other.
"The fruit of my own labor," was the reply.—Chicago "News."

Everybody waited for the negro judge to charge the jury. He did not know what to do. Finally a friendly lawyer leaned over the bench and said: "Charge the jury! this is the time to charge the jury."

The justice arose and looked at the jury. "Gentlemen ob de jury," he said, "dis yer's a might small case an' I'll only charge you all a dollar an' a half apiece."—Exchange.

Tess—You'll be all right if you can only cook. You know, they say the best way to reach a man's heart is through his stomach.

Jess—Yes, it will just be my luck to reach it with heartburn or some other phase of dyspepsia.—Catholic "Standard and Times."

An' have ye discovered what's the matter with me, doctor?" "Dear me, yes. You have an aggravated case of pericardial oethinattoemmia." "Sure, an' that's just what it feels like."—Harper's "Bazar."

"I work a foxy scheme on my boy. He'd rather wash the dishes than wash his hands, so I let him wash the dishes." "What's the foxy part?"
"Why, that gets his hands clean."

"But," said the lawyer, "your case seems hopeless. I don't see what I can do for you. You admit that you beat your wife."

"Yes," replied the defendant, "but my wife's testimony will discount that. She'd never admit that she was beaten."

"Is Jones a man of more than average intelligence?" "Yes. His wife died ten years ago, and he's still a widower."—"Judge."

Short: "There goes one of my preferred creditors." Long: "Why preferred?" Short: "He never asks me for money."—Chicago "Daily News."

Caller—"I should think that your father's duties as building inspector would be awfully dangerous, going round unsafe buildings." Small son of the house—"Oh, no; he doesn't go near 'em till after they fall down."

"Now, boys," asked the teacher, "can any of you tell me something about Good Friday?"

"Yes, ma'am. He was the feller that done the housework for Robinson Crusoe."

"Parson, somebody dared us to get married, and we never take a dare. Here we are."

"Well, my young friends, I dare you to go home and endeavor to cultivate some common sense."

"Sorry, sir," telephoned the butcher, "but we are just out of sirloin. Why don't your wife order you a round?"

"W-what's that?" exploded Harker at the other end of the line.

"I say, why don't your wife order you a round?"

"Why don't my wife order me around. Great Caesar man, that is all she does—order me around from morning until night. If you were nearer, I'd—"

But the startled butcher hung up the receiver and fled.

Cholly Knickerbocker: "Good morning, sir. Could we shoot over your preserves for a few hours?"

Farmer Wayback: "Waal, now, thet beats me. My ol' woman thinks more o' her preserves than she does o' me, but there's a pile o' tin cans back o' the barn ye kin shoot over all day ef ye want'er."

Cannibalism in Scotland.—A lady in Sandyford district would like two gentlemen for dinner daily.—Glasgow "Herald."

Five Dollars for Life.

What do you say to sending us \$5 for a life long subscription to Green's Fruit Grower?

By the old way—A year slips away so quickly you scarcely realize that the year has gone, and then you have to buy another postal order and thus renew your subscription.

How much easier it would be, and how much money you would save, by sending us now at once \$5 which we will accept in full payment for a life long subscription. No matter how long you may live you will never have to subscribe again to Green's Fruit Grower.

Remember that the paper on which we print this publication has largely advanced and that we use about a carload of paper each month in printing Green's Fruit Grower, thus it is likely that we may have to increase the price. 50c a year is a very low price for a magazine like this, carefully edited and well printed.

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When you have subscribed for life you are entered on the honor roll of our subscription list, and will be extended unusual courtesy. If you desire special attention on special subjects that require investigation in this part of the country we will be glad to be of service to you or to answer any inquiry that you may submit. Will you kindly accept this liberal offer?

If you have not seen much of Green's book "How I Made the Old Farm Pay at Fruit Growing," which also contains a book, How to propagate and grow fruit, we will gladly send it free with this \$5 offer of a life subscription to Green's Fruit Grower.

Manure the Orchard.

Many of our orchards can stand much higher fertilizing than they are receiving, says the "Farmers' Review." It is usual to put apple and pear trees on land that is not over rich. It has been found that a too rich soil makes a growth of wood at the expense of fruitage. But many farmers have carried the idea too far. While it is not desirable to have fruit trees grow too fast, yet after they have made their principal growth and have begun to bear they should be fed. Generally they are not and they go on year after year drawing out of the soil some of the fertility, of which there was not too great an amount in the first place. This thought should be kept in mind—the original amount of fertility should not be decreased. On soils only moderately rich it is necessary to keep up the supply of fertility. What the crop of fruit takes off should go back each year in the form either of barnyard manure or of chemical fertilizers, so that the roots of the trees need not seek in vain for the material out of which to make new products. While the edible part of the fruit does not contain much fertility, the seeds do. Also the annual crop of leaves take a great deal of fertility and often this does not get back into the soil. Some dry leaves are as rich in manurial elements as barnyard manure. They do not generally get back into the soil of the orchard, and this loss must be annually compensated for.

Told in Tabloids.

The same force that moves a ton on a smooth highway will move eight tons on a railway or thirty-two tons on a canal.

A record sponge, ten feet in circumference and two feet thick, was found a few years ago by some sponge fishers off the Bahama islands.

A century ago France had 26 per cent. of the population of Europe. To-day only one European in ten is a Frenchman.

On the banks of the river Purus, in South America, are found a small tribe of Indians whose dark skin is spotted with lighter blotches.

A Chinese doctor's fees range from 2 cents to 10 cents.

In London there are over 200,000 factory girls.

The yellow stone lichen is the slowest-growing of all known plants.

A London policeman arrests on an average no more than nine persons in a year; a Parisian arrests twenty-eight.—Philadelphia "Inquirer."

SUPERFLUOUS HAIR CURED.

A Lady Subscriber Will Send Free to Any Sufferer, the Secret Which Cured Her.

One of our lady subscribers asks us to announce that she will send free to any reader of this magazine the means which gave her permanent relief from all trace of superfluous hair, after every other known remedy had failed. She states that the means used is harmless, simple and painless, and makes the electric needle entirely unnecessary. She will send, entirely free, full particulars to enable any other sufferer to achieve the same happy results. All she asks is a 2-cent stamp for reply. Address, Mrs. Caroline Osgood, 1181-E Custom House, Providence, R. I.

THIS WILL INTEREST MANY

F. W. Parkhurst, the Boston publisher, says that if any one afflicted with rheumatism in any form, neuralgia, or kidney trouble, will send their address to him at 704-7 Carney Bldg., Boston, Mass., he will direct them to a perfect cure. He has no interest in anything to sell, only a desire to tell those afflicted how he was cured after years of search for relief. Hundreds have tested it with success.

BOOK OF RANCH VIEWS FREE.

A Colorado Ranch near Pike's Peak issues a book of Views and Map for Free distribution.

It may come as a surprise to many that the ranches of Colorado are each year yielding to their fortunate owners millions of dollars more than the gold and silver mines in that state, yet such is a fact. The annual ranch income now exceeds one hundred millions of dollars.

Down in Teller County, Colorado, within the shadows of the world-famous Pike's Peak, where cattle and other stock have grazed and fattened for thirty years, is located the Beaver Valley ranch of nearly 5,000 acres. The ranch possesses abundant and nutritious grasses, hay lands and unlimited water supply. Live stock thrive and fatten quickly. Within the immense ranch boundaries are many of the most magnificent scenic views in the world. A booklet of photo-engravings of scenes on the ranch is just off the press and is interesting and instructive. From a recent official survey of the ranch by a United States deputy surveyor a large wall map has been compiled. The map plainly shows the streams, valleys, lakes, springs, buildings, railroads and wagon roads, high bridge, trail to Pike's Peak, Mounts, Bison Park and falls, the gorge telephone line, Government forest reserve, Devil's Hole, etc. etc. All large and plain. The superintendent with his family reside on the ranch and visitors are welcome.

The ranch desires additional capital to add needed improvements and live stock, etc., and actually guarantees to pay investors ten per cent. yearly income.

Back of the guarantee is the big ranch itself, the stock, money in bank and every asset the ranch owns. It is a rare chance for the conservative and shrewd person anxious to provide an income for the future. Besides, it is an honor to be one of the owners of a great stock ranch where you may enjoy pleasure trips at will. Amounts of \$5, \$10, \$100, or even \$1,000 may be safely invested. To a limited number who invest soon paid-up bonus shares will be given free together with a beautifully illustrated monthly magazine of sketches and stories of life in the west and in which will be published the news and happenings on the ranch.

Write at once for free illustrated booklet of views, the official map, sample copy of magazine, etc. You will be under no obligation to invest—send no money. Address the Denver office, the Beaver Valley Ranch and Live Stock Company, Station 17, Denver, Col.

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Cured Her Husband of Drinking.

Write Her Today and She Will Gladly Tell You How She Did It.

My husband was a hard drinker for over 20 years and had tried in every way to stop but could not do so. I at last cured him by a simple home remedy which any one can give secretly. I want every one who has drunk themselves into their homes to know of this and if they are sincere in their desire to cure this disease and will write to me. I will tell them just what the remedy is. My address is, Mrs. Margaret Anderson, Box 446 Hillburn, N. Y. I am sincere. I have sent this valuable information to thousands and will gladly send it to you if you will write me to-day. As I have nothing whatever to sell. I want no money.



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(Signed), *Dr. G. W. Smith*

Now I would like to get this kind of a testimonial from you, too--and that is the reason why I am making a very extraordinary, but honest proposition, which you well know must be genuine and bona-fide, otherwise this reliable paper would not publish it.

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